

4. MOS 6019, Aircraft Maintenance Chief (MGySgt and MSgt) PMOS

a. Summary. Aircraft maintenance chiefs supervise the establishment and functions of a fixed wing/helicopter/tiltrotor/unmanned aerial vehicle maintenance and repair activity. They assist in directing, supervising, and coordinating the activities of aviation-enlisted personnel performing aircraft maintenance duties. They prepare or supervise the preparation of reports, correspondence, schedules, and rosters pertaining to an aircraft maintenance and repair activity. They assist and act as the senior enlisted maintenance advisor to the aircraft maintenance officer in areas of enlisted performance, billet requirements, aviation training, and manning within the aircraft maintenance department. They coordinate and manage aviation maintenance/enlisted aircrew Marines within the squadron, group, wing, MARFOR, and HQMC levels.

b. Requirements/Prerequisites

(1) Must be a qualified MOS 60XX, 61XX, or 62XX.

(2) Must have a secret security clearance.

c. Duties

(1) MGySgt and MSgt:

(a) Supervises and manages all enlisted MOSs within the aircraft maintenance department.

(b) Perform administrative and supervisory functions required in the operation of an aircraft maintenance activity ashore and afloat.

(c) Assists in directing, supervising, and coordinating the activities of enlisted personnel performing aircraft maintenance duties.

(2) MGySgt: Performs capably without supervision.

d. Related DOT Classification/DOT Code. Superintendent, Aircraft Maintenance 184.167-174.

e. Related Military Skill. None.

5. MOS 6023, Aircraft Power Plants Test Cell Operator (GySgt to Cpl) NMOS (6122, 6123, 6124, 6222, 6223, 6226, 6227)

a. Summary. Aircraft power plants test cell operators, inspect, test, and perform corrective maintenance to aircraft gas turbine engines and engine systems. Perform test cell operations and minor repairs to test cells. This MOS will be assigned only to qualified aircraft power plants mechanics, MOSs 6122, 6123, 6124, 6222, 6223, 6226, and 6227.

b. Requirements/Prerequisites

(1) Complete appropriate OJT and/or other applicable course(s) of instruction.

(2) Must be qualified in one of the aircraft power plants MOSs.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6023.

d. Related DOT Classification

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill

(1) Aircraft Mechanic, 6112 to 6116, and 6212 to 6217.

(2) Aircraft Power Plants Mechanic, 6122 to 6124, and 6222 to 6227.

6. MOS 6033, Aircraft Nondestructive Inspection Technician (GySgt to Cpl) NMOS (6062 and 6092)

a. Summary. Aircraft nondestructive inspection technicians perform nondestructive testing of metals in aircraft structures and aircraft/engine components. This MOS will be assigned only to qualified Aircraft Structures or Hydraulic Pneumatic Mechanics, MOSs 6062 and 6092.

b. Requirements/Prerequisites

(1) Must be a qualified Structures Mechanic, MOS 6092, or a qualified Hydraulics/Pneumatic Mechanic, MOS 6062.

(2) Minimum 12 months MOS credibility in the rank of SSgt to Cpl.

(3) Complete ionizing radiation pre-placement physical IAW NAVMEDP 5055.

(4) Must have a minimum AFQT score of 55, or a minimum GT score of 105.

(5) Must have a minimum 30 months time in service.

(6) Minimum 24 months obligated service upon completion of the Nondestructive Inspection Technician Course.

(7) Complete the Nondestructive Inspection Technician Course #C-603-3191 at NATTC, NAS Pensacola, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6033.

d. Related DOT Classification/DOT Code. Airframe and Power Plant Mechanic 621.281-014.

e. Related Military Skill. None.

7. MOS 6042, Individual Material Readiness List (IMRL) Asset Manager (MGySgt to Pvt) PMOS

a. Summary. Individual material readiness list asset managers manage Individual Material Readiness List (IMRL) asset inventories on Local Asset Management Systems (LAMS), as set forth by the Naval Aviation Maintenance program (NAMP) and the Aircraft Maintenance Material Readiness List (AMMRL) Program at IMRL

program reporting activities. They manage IMRL assets at the organizational and immediate levels of maintenance, aviation wings, and Support Equipment Controlling Authorities (SECA). They use logistical management techniques, supply procedures, technical publications, and automated data processing equipment to conduct, reconcile, and report IMRL assets inventories; acquire and dispose of IMRL assets; train subordinate IMRL asset managers, and conduct liaison with other SECAs.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Must have normal color vision.
- (3) Complete appropriate formal school at NAS Meridian, MS (IMRL Asset Manager Course C-555-2020).
- (4) Must eligible for a secret security clearance.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6042.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. None.

8. MOS 6043, Aircraft Welder (GySgt to LCpl) NMOS (6092)

a. Summary. Aircraft welders fabricate and repair aircraft metals through basic welding using the Gas/Tungston/Arc/Welding (GTAW) process on aluminum alloys, steel alloys, stainless steel alloys, and precipitating hardening nickel based alloys. This MOS will be assigned only to qualified Aircraft Structures Mechanics, MOS 6092.

b. Requirements/Prerequisites

- (1) Qualified as an Aircraft Structures Mechanic, MOS 6092.
- (2) Must have vision better than 20/30 for long distance with good depth perception.
- (3) Must have normal color vision.
- (4) Complete appropriate formal school of instruction (NADEP welding Course #N-701-0007 only).

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6043.

d. Related DOT Classification/DOT Code

- (1) Welder, Combination 819.384-010.
- (2) Welding Supervisor 819.381-014.

e. Related Military Skill. Metal Worker, 1316.

9. MOS 6046, Aircraft Maintenance Administration Specialist (MGySgt to Pvt) PMOS

a. Summary. Aircraft maintenance administration specialist maintain aircraft log books, naval aircraft maintenance publications/files, and prepare reports, logs records, directives, and correspondence in an aircraft maintenance and repair activity. Initial formal training is at the Aviation Maintenance Administration Course at the Naval Air Station, Meridian, MS. Additionally, they receive training as data processing equipment operators, perform duties on data entry equipment, and supervise the maintenance administration functions within the unit. They are required to set up, operate, and perform minor maintenance on Naval Aviation Logistics Command Management Information System (NALCOMIS) hardware and its associated remote peripheral subsystems. The operator is formally trained at the Data Analysis course at the Naval Air Technical Training Center (NATTC), Pensacola, FL. Aircraft maintenance administration specialists who have successfully completed the Data Analysis Course analyze control charts and program maintenance and man-hour statistical information to aid the maintenance managers and logisticians in the performance of their assigned tasks.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 100 or higher.
- (2) Must be a U. S. citizen.
- (3) Basic PC operation/word processing with the capability of 15 words per minute.
- (4) Must have a confidential security clearance.
- (5) Must have normal color vision.
- (6) Complete the Aviation Maintenance Administration Course, Meridian, MS.
- (7) Complete the Data Analysis Course, Pensacola, FL (sergeants and above).

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6046.

d. Related DOT Classification/DOT Code

- (1) Aircraft Log Clerk.
- (2) Computer Peripheral Equipment Operator 213.382-010.
- (3) Maintenance Data Analysis 221.367.038.

e. Related Military Skill. None.

10. MOS 6048, Flight Equipment Technician (GySgt to Pvt) PMOS

a. Summary. Flight equipment technicians inspect, maintain, and repair parachutes; flight survival equipment; flight equipment; carbon dioxide, and gaseous and liquid oxygen equipment.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6048.

d. Related DOT Classification/DOT Code

(1) Survival Equipment Repairer 739.381-054.

(2) Parachute Rigger 912.684-010.

e. Related Military Skill. Aircraft Safety Equipment Mechanic, MOSs 6282 to 6287.

11. MOS 6049, NALCOMIS Application Administrator/Analyst (MGySgt to Sgt) NMOS (6046)

a. Summary. NALCOMIS application administrator/analyst perform data analysis and trend interpretation for developing statistical process control methods in support of aviation information and readiness reporting requirements. Operate and maintain the NALCOMIS application for Marine Aviation Logistic Squadrons or Organizational Maintenance Activities. Additional functions include; use of office automation applications, graphic presentations design and delivery, maintain database integrity on assigned database management servers, collect and organize data, monitor and ensure accuracy of maintenance data, and support network systems administration functions for detachments and up line reporting.

b. Requirements/Prerequisites

(1) Must be skill qualified as an Aircraft Maintenance Administration Specialist (MOS 6046).

(2) Must have a satisfactory performance in primary MOS duties for a period of 12 months.

(3) Must have a minimum of 24 months service remaining.

(4) Must have a minimum of WK/AR combined score of 105.

(5) Complete one of the NALCOMIS Aviation Information Systems Administrator/Analyst training tracks (NALCOMIS Aviation Maintenance IMA System Administrator/Analyst Pipeline #C-555-2015), or (NALCOMIS Aviation Maintenance OMA System Administrator/Analyst Pipeline #C-555-2016) at NATTC Pensacola, FL upon initial assignment to an IMA or OMA billet. Personnel reassigned to a different OMA/IMA billet after completing one of the training tracks above must attend one of the following strands: NALCOMIS Aviation Maintenance IMA Database Administrator/Analyst Strand #C-555-2012, or NALCOMIS Aviation Maintenance OMA Database Administrator/Analyst Strand #C-555-2013 at NATTC Pensacola,

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6049.

d. Related DOT Classification/DOT Code

(1) Computer Peripheral Equipment Operator 213.382-010.

(2) Maintenance Data Analyst 221.367-038

e. Related Military Skill. None.

12. MOS 6062, Aircraft Intermediate Level Hydraulic/Pneumatic Mechanic (GySgt to Pvt) PMOS

a. Summary. Aircraft intermediate level hydraulic/pneumatic mechanics inspect, maintain, and repair aircraft intermediate level hydraulic/pneumatic system components.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" schools at CNATTU, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" schools at CNATTU NAS LeMoore, CA or CNATTU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6062.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Pneumatic Tester and Mechanic 621.381-022.

e. Related Military Skill. None.

13. MOS 6072, Aircraft Maintenance Support Equipment Hydraulic/Pneumatic/Structures Mechanic (GySgt to Pvt) PMOS

a. Summary. Aircraft maintenance support equipment hydraulic/pneumatic/structures mechanics inspect, maintain, repair, and test aircraft maintenance support equipment (SE), hydraulic/pneumatic/structures systems and system components. Perform duties related to the operation of support equipment. Perform duties related to the licensing of aircraft maintenance personnel in the operation of support/special support equipment.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola FL.

(4) Complete the appropriate formal "C" schools at CNATTU, NAS North Island, CA or CNATTU, NAS Jacksonville, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6072.

d. Related DOT Classification/DOT Code

- (1) Automatic Mechanic 620.261-010.
- (2) Aviation support Equipment Repairer 639.281-010.

e. Related Military Skill

- (1) Engineer Equipment Mechanic, 1341.
- (2) Organizational Automotive Mechanic, 3521.

14. MOS 6073, Aircraft Maintenance Support Equipment Electrician/Refrigeration Mechanic (GySgt to Pvt) PMOS

a. Summary. Aircraft maintenance support equipment electricians/refrigeration mechanics install, inspect, test, maintain and repair aircraft support equipment (SE), electrical/instrument and refrigeration and air conditioning equipment, systems and accessories.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.
- (3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.
- (4) Complete the appropriate formal "C" school at either NAMTRAU, NAS North Island, CA or NAMTRAU, NAS Jacksonville, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6073.

d. Related DOT Classification/DOT Code. Refrigeration Mechanic 637.261-026.

e. Related Military Skill. Refrigeration Mechanic, 1161.

15. MOS 6074, Cryogenics Equipment Operator (GySgt to Pvt) PMOS

a. Summary. Cryogenics equipment operators assemble, operate, and maintain liquid oxygen/nitrogen generating plants, storage and aircraft servicing equipment, vaporizing equipment, vacuum pumps, and LOX tank purging units. They operate and maintain purity analysis test equipment to ensure product acceptability.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.
- (3) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6074.

- d. Related DOT Classification/DOT Code
 - (1) Oxygen Plant Operator 552.362-014.
 - (2) Tester, Compressed Gases 549.364-010.
 - e. Related Military Skill. None.
16. MOS 6092, Aircraft Intermediate Level Structures Mechanic (GySgt to Pvt) PMOS
- a. Summary. Aircraft intermediate level structures mechanics inspect, maintain, and repair aircraft intermediate level structural components.
 - b. Requirements/Prerequisites
 - (1) Must possess an MM score of 105 or higher.
 - (2) Must have normal color vision.
 - (3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.
 - (4) Complete the appropriate formal "C" school at NAMTRAU, NAS Lemoore, CA or NAMTRAU, Oceana, VA.
 - c. Duties. For a complete listing of duties and tasks, refer to MCO P4970.20. Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6092.
 - c. Related DOT Classification/DOT Code. No civilian equivalent.
 - e. Related Military Skill. None.
17. MOS 6111, Helicopter/Tiltrotor Mechanic-Trainee (GySgt to Pvt) PMOS
- a. Summary. Helicopter/Tiltrotor mechanics-trainees, under instruction or close supervision, train for one of the helicopter/tiltrotor mechanic MOSs.
 - b. Requirements/Prerequisites
 - (1) Must possess an MM score of 105 or higher.
 - (2) Must have normal color vision.
 - c. Duties. Performs duties under instruction.
 - d. Related DOT Classification/DOT Code. No civilian equivalent.
 - e. Related Military Skill. None.
18. MOS 6112, Helicopter Mechanic, CH-46 (GySgt to Pvt) PMOS
- a. Summary. Helicopter mechanics, CH-46; inspect and maintain helicopter airframes and airframe components and perform duties relating to flight line operation.
 - b. Requirements/Prerequisites
 - (1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground Syllabus Familiarization for type aircraft.

(4) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6112.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter Power Plants Mechanic, 6122.

19. MOS 6113, Helicopter Mechanic, CH-53 (GySgt to Pvt) PMOS

a. Summary. Helicopter mechanics, CH-53; inspect and maintain helicopter airframes and airframe components and perform duties relating to flight line operation.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground Syllabus Familiarization for type aircraft.

(4) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6113.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter Power Plants Mechanic, 6123.

20. MOS 6114, Helicopter Mechanic, UH/AH-1 (GySgt to Pvt) PMOS

a. Summary. Helicopter mechanics, UH/AH-1; inspect and maintain helicopter airframes and airframe components and perform duties relating to flight line operation.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground Syllabus Familiarization for type aircraft.

(4) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6114.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter Power Plants Mechanic, 6124.

21. MOS 6116, Tiltrotor Mechanic, MV-22 (GySgt to Pvt) PMOS

a. Summary. Tiltrotor mechanics, MV-22; inspect and maintain tiltrotor airframes and airframe components and perform duties relating to flight line operation.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Must complete the Plane Captain (PC) Ground Syllabus Familiarization for type aircraft.

(4) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6116.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

22. MOS 6122, Helicopter Power Plants Mechanic, T-58 (GySgt to Pvt) PMOS

a. Summary. Helicopter power plants mechanics, T-58, inspect, maintain, test, repair, and perform complete repair of helicopter power plants and power plants systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6122.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Mechanic, 6112.

23. MOS 6123, Helicopter Power Plants Mechanic, T-64 (GySgt to Pvt) PMOS

a. Summary. Helicopter power plants mechanics, T-64; inspect, maintain, test, repair, and perform complete repair of helicopter power plants and power plants systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6123.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Mechanic, 6113.

24. MOS 6124, Helicopter Power Plants Mechanic, T-400/T-700 (GySgt to Pvt) PMOS

a. Summary. Helicopter power plants mechanics, T-400/T-700; inspect, maintain, test, repair, and perform complete repair of helicopter power plants and power plants systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL or NAS North Island, CA.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6124.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Mechanic, 6114.

25. MOS 6132, Helicopter/Tiltrotor Dynamic Components Mechanic (GySgt to Pvt) PMOS

a. Summary. Helicopter/Tiltrotor dynamic components mechanics inspect, maintain, test and repair helicopter/tiltrotor dynamic components.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal combined "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6132.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Power Plants Mechanic, 6122 to 6124.

26. MOS 6152, Helicopter Airframe Mechanic, CH-46 (GySgt to Pvt) PMOS

a. Summary. Helicopter airframe mechanics, CH-46; inspect, maintain, and repair helicopter airframe systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6152.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Aircraft Body Repair 807.261-010.

(3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Airframe Mechanic, 6252 to 6257.

27. MOS 6153, Helicopter Airframe Mechanic, CH-53 (GySgt to Pvt) PMOS

a. Summary. Helicopter airframe mechanics, CH-53; inspect, maintain, and repair helicopter airframe systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6153.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Aircraft Body Repair 807.261-010.

(3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Airframe Mechanic, 6252-6257.

28. MOS 6154, Helicopter Airframe Mechanic, UH/AH-1 (GySgt to Pvt) PMOS

a. Summary. Helicopter airframe mechanics, UH/AH-1; inspect, maintain, and repair helicopter airframe systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6154.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Aircraft Body Repair 807.261-010.

(3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Airframe Mechanic, 6252 to 6257.

29. MOS 6156, Tiltrotor Airframe Mechanic, MV-22 (GySgt to Pvt) PMOS

a. Summary. Tiltrotor airframe mechanics, MV-22; inspect, maintain, and repair tiltrotor airframe systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6156.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Aircraft Body Repair 807.261-010.

(3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Airframe Mechanic, 6252 to 6257.

30. MOS 6162, Presidential Support Specialist (MGySgt to LCpl) NMOS (any PMOS from 25/58/60/61/63/64/65/66/70)

a. Summary. Presidential support specialists perform duties incident to the mission of the executive flight detachment of HMX-1.

b. Requirements/Prerequisites

(1) Skill qualified in a primary MOS from any of the following OccFlds: 25, Operational Communications; 58, Military Police and Corrections; 60/61, Aircraft Maintenance; 63/64, Avionics; 65, Aviation Ordnance; 66, Aviation Supply; or 70, Airfield Services.

(2) Must possess a top-secret security clearance.

(3) Must possess a Yankee White (YW) access.

(4) Satisfactory performance of the below-listed duties for the initial 6 months of assignment to the HMX-1 executive flight detachment.

c. Duties

(1) Maintains, distributes, repairs, inspects, tests, crews, and provides security for HMX-1 executive flight detachment helicopter airframes and components.

(2) Performs duties relating to the HMX-1 presidential support mission.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

31. MOS 6172, Helicopter Crew Chief, CH-46 (GySgt to Pvt) PMOS

a. Summary. Helicopter crew chiefs, CH-46, are flight crewmembers that perform duties incident to the maintenance and operation of Marine CH-46 helicopters.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Volunteer for duties involving flight as an aircraft crewmember.

(4) Must be a 2d class swimmer or higher.

(5) Must be eligible for a secret security clearance.

(6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(7) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(8) Complete Survival Evasion Resistance and Escape (SERE) School.

(9) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(10) Complete the appropriate formal "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

(11) Complete the appropriate formal "C" school at HMM (T)-164 FRS (Flight Training) MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.50, Aviation Training and Readiness (T&R) Manual, and MCO P4790.20, Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6112/72.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 6112.

32. MOS 6173, Helicopter Crew Chief, CH-53 (GySgt to Pvt) PMOS

a. Summary. Helicopter crew chiefs, CH-53; are flight crewmembers that perform duties incident to the maintenance and operation of Marine CH-53 helicopters.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Volunteer for duties involving flight as an aircraft crewmember.

(4) Must be a 2d class swimmer or higher.

(5) Must be eligible for a secret security clearance.

(6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(7) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(8) Complete Survival Evasion Resistance and Escape (SERE) School.

(9) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(10) Complete the appropriate formal (combined) "A" and "C" school at NAMTRA MAR Unit, MCAS New River, N.C.

(11) Complete the appropriate formal "C" school at HMT-302 FRS (Flight Training) MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.51, Aviation Training and Readiness (T&R) Manuals, and MCO P4790.12B, Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6113/6173.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 6113.

33. MOS 6174, Helicopter Crew Chief, UH-1 (GySgt to Pvt) PMOS

a. Summary. Helicopter crew chiefs, UH-1; are flight crewmembers that perform duties incident to the maintenance and operation of Marine UH-1 helicopters.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.
- (3) Volunteer for duties involving flight as an aircraft crewmember.
- (4) Must be a 2d class swimmer or higher.
- (5) Must be eligible for a secret security clearance.
- (6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.
- (7) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.
- (8) Complete Survival Evasion Resistance and Escape (SERE) School.
- (9) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.
- (10) Complete the appropriate formal "A" and "C" school at NAMTRA MAR Unit, MCAS Camp Pendleton, CA.
- (11) Complete the appropriate formal "C" school at HMT-303 FRS (Flight Training) MCAS Camp Pendleton, CA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.49, Aviation Training and Readiness (T&R) Manuals, and MCO P4690.20, Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6114/6174.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 6114.

34. MOS 6176, Tiltrotor Crew Chief, MV-22 (GySgt to Pvt) PMOS

a. Summary. Tiltrotor crew chiefs, MV-22; are flight crewmembers who perform duties incident to the maintenance and operation of Marine MV-22 Tiltrotor Aircraft.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.
- (3) Volunteer for duties involving flight as an aircraft crewmember.
- (4) Must be a 2d class swimmer or higher.
- (5) Must be eligible for a secret security clearance.
- (6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(7) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.

(8) Complete Survival Evasion Resistance and Escape (SERE) School.

(9) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.

(10) Complete the appropriate formal "A" and "C" school at NAMTRA MAR Unit, MCAS New River, NC.

(11) Complete the appropriate formal "C" school at VMMT-204, FRS (Flight Training) MCAS New River, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.34, Aviation Training and Readiness (T&R) Manual, and MCO P4790.20, Maintenance Training Management and Evaluation program (MATMEF) for MOSs 6116/76.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Tiltrotor Mechanic, 6116.

35. MOS 6177, Weapons and Tactics Crew Chief Instructor (MGySgt to LCpl) NMOS (6172, 6173, 6174, 6176)

a. Summary. The weapons and tactics crew chief instructors train qualified crew chiefs in the weapons system for operation in a threat environment.

b. Requirements/Prerequisites

(1) Designated helicopter/tiltrotor crew chief.

(2) Graduate of the MAWTS-1 WTCCI course.

(3) Must have a final secret security clearance.

c. Duties

(1) Assist in the instruction of crew chiefs and aerial gunners/observers in the development of their tactical proficiency.

(2) Provides instruction in the operation and employment of the weapons system.

(3) Performs classroom and flight instruction on various facets of the weapons system.

(4) Instructs on current enemy capabilities and the tactics to counter enemy threats.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

36. MOS 6178, VH-60N Presidential Helicopter Crew Chief (MGySgt to LCpl) NMOS (any PMOS from 60/61/63/64/65)

a. Summary. Presidential helicopter crew chiefs are flight crewmembers that perform duties incident to the maintenance and operation of Marine VH-60N helicopters of the Executive Flight Detachment at HMX-1.

b. Requirements/Prerequisites

- (1) Skill qualified in a primary MOS from any of the following OccFlds: 60/61, Aircraft Maintenance; 63/64, Avionics; 65, Aviation Ordnance.
- (2) Must possess a top-secret security clearance.
- (3) Must possess a Yankee White (YW) access.
- (4) Satisfactory performance in primary MOS duties for the initial 6 months of assignment to the HMX-1 Executive Flight Detachment.
- (5) Must have normal color vision.
- (6) Must be a 2d class swimmer or higher.
- (7) Volunteer for duties involving flight as an aircraft crewmember.
- (8) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.
- (9) Complete all requirements for water survival/water physiology.
- (10) Qualified as a Plane Captain per volume II and III of OPNAVINST 4790.2 (NAMP Manual).
- (11) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the VH-60N helicopter.

c. Duties.

- (1) MGySgt to LCpl:
 - (a) Performs daily inspections of assigned aircraft.
 - (b) Assists pilot in his preflight inspection.
 - (c) Monitors aircraft performance during flight.
 - (d) Responsible for the embarkation and debarkation of passengers and cargo.
 - (e) Clears the tail of the aircraft.
 - (f) Advises pilot of obstacles and other aircraft.
 - (g) Performs duties as a helicopter mechanic.
 - (h) Performs in-flight duties of a crew chief as directed by the HAC or appropriate NATOPS Manual.
 - (i) Monitors weight and balance limitations for the VH-60N aircraft.

- (j) Observes applicable material control procedures.
- (k) Incorporates airframes changes or bulletins.
- (l) Performs engine starting and ground turn up functions (when authorized) not to include engaging of rotors.
- (m) Conducts informal OJT/technical training within assigned skill area.

(2) MGySgt to SSgt:

- (a) Assists in the supervision and administration of flight line, hangar deck area, and related operations ashore/afloat.
- (b) Plans, schedules, and directs work center assignments.
- (c) Performs duties as a quality assurance representative.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 611X.

37. MOS 6179, VH-3D Presidential Helicopter Crew Chief (MGySgt to LCpl) NMOS (any PMOS from 60/61/63/64/65)

a. Summary. Presidential helicopter crew chiefs are flight crewmembers that perform duties incident to the maintenance and operation of Marine VH-3D helicopters of the Executive Flight Detachment at HMX-1.

b. Requirements/Prerequisites

(1) Skill qualified in a primary MOS from any of the following OccFlds: 60/61, Aircraft Maintenance; 63/64, Avionics; 65, Aviation Ordnance.

(2) Must possess a top-secret security clearance.

(3) Must possess a Yankee White (YW) access.

(4) Satisfactory performance in primary MOS duties for the initial 6 months of assignment to the HMX-1 Executive Flight Detachment.

(5) Must have normal color vision.

(6) Must be a 2d class swimmer or higher.

(7) Volunteer for duties involving flight as an aircraft crewmember.

(8) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.

(9) Complete all requirements for water survival/water physiology.

(10) Qualified as a plane captain per volume II and III of OPNAVINST 4790.2 (NAMP Manual).

(11) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the VH-3D helicopter.

c. Duties.

(1) MGySgt to LCpl:

- (a) Performs daily inspections of assigned aircraft.
- (b) Assists pilot in his preflight inspection.
- (c) Monitors aircraft performance during flight.
- (d) Responsible for the embarkation and debarkation of passengers and cargo.
- (e) Clears the tail of the aircraft.
- (f) Advises pilot of obstacles and other aircraft.
- (g) Performs duties as a helicopter mechanic.
- (h) Performs in-flight duties of a crew chief as directed by the HAC or appropriate NATOPS Manual.
- (i) Monitors weight and balance limitations for VH-60N aircraft.
- (j) Observes applicable material control procedures.
- (k) Incorporates airframes changes or bulletins.
- (l) Performs engine starting and ground turn-up functions (when authorized) not to include engaging of rotors.
- (m) Conducts informal OJT/technical training within assigned skill area.

(2) MGySgt to SSgt:

- (a) Assists in the supervision and administration of flight line, hangar deck area, and related operations ashore/afloat.
- (b) Plans, schedules, and directs work center assignments.
- (c) Performs duties as a quality assurance representative.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill. Helicopter Mechanic, 611X.

38. MOS 6199, Enlisted Aircrew/Aerial Observer/Gunner (MGySgt to Pvt) FMOS

a. Summary. Enlisted aircrew/aerial observers/aerial gunners are flight crew-members that perform duties incident to the operation of Marine helicopters and tiltrotor aircraft.

b. Requirements/Prerequisites

- (1) Must have normal color vision.
- (2) Volunteer for duties involving flight as an aircraft crewmember.
- (3) Must be a 2d class swimmer or higher.
- (4) Must be eligible for a secret security clearance.
- (5) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.
- (6) Complete all requirement contained in appropriate NATOPS Manual or syllabi peculiar to the aircraft.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.16, Aviation Training and Readiness (T&R) Manuals.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. None.

39. MOS 6212, Fixed-Wing Aircraft Mechanic, AV-8/TAV-8 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft mechanics, AV-8/TAV-8; inspect and maintain aircraft airframes and airframe components and perform duties relating to flight line operations.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal vision.
- (3) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.
- (4) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.
- (5) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6212.

d. Related DOT Classification/DOT Code

- (1) Airframe-and-Power-Plant Mechanic 621.281-014.
- (2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6222.

40. MOS 6213, Fixed-Wing Aircraft Mechanic, EA-6 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft mechanics, EA-6; inspect and maintain aircraft airframes and airframe components and perform duties relating to flight line operations.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.
- (3) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.
- (4) Complete the appropriate formal "A" school, NATTC, NAS Pensacola, FL.
- (5) Complete the appropriate formal "C" school at NAMTRAU, NAS Whidbey Island, WA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.12B, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6213.

d. Related DOT Classification/DOT Code

- (1) Airframe and Power Plant Mechanic 621.281-014.
- (2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6223.

41. MOS 6214, Unmanned Aerial Vehicle (UAV) Mechanic (GySgt to Pvt) PMOS

a. Summary. Unmanned Aerial Vehicle mechanics inspect and maintain UAV airframes and airframe components and perform duties relating to flight line operations.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.
- (3) Complete the appropriate formal school at NAMTRAU, Milton, FL.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6214.

d. Related DOT Classification/DOT Code

- (1) Airframe and Power Plant Mechanic 621.281-014.
- (2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

42. MOS 6216, Fixed-Wing Aircraft Mechanic, KC-130 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft mechanics, KC-130; inspect and maintain aircraft airframes and airframe components and perform duties relating to flight line operations.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.
- (3) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.
- (4) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.
- (5) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6216.

d. Related DOT Classification/DOT Code

- (1) Airframe and Power Plant Mechanic 621.281-014.
- (2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6226.

43. MOS 6217, Fixed-Wing Aircraft Mechanic, F/A-18 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft mechanics, F/A-18; inspect and maintain aircraft airframes and airframe components, and perform duties relating to flight line operations.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.
- (3) Must complete the Plane Captain (PC) Ground syllabus for type aircraft.
- (4) Complete the appropriate formal "A" schools at CNATTU, NAS Pensacola, FL.
- (5) Complete the appropriate formal "C" schools at CNATTU, NAS Lemoore, CA or CNATTU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6217.

d. Related DOT Classification/DOT Code

- (1) Airframe and Power Plant Mechanic 621.281-014.
- (2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Power Plants Mechanic, 6227.

44. MOS 6222, Fixed-Wing Aircraft Power Plants Mechanic, F-402 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft power plants mechanics, F-402, inspect, maintain, test, repair, and perform complete repair of aircraft power plants and power plant systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6222.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6212.

45. MOS 6223, Fixed-Wing Aircraft Power Plants Mechanic, J-52 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft power plants mechanics, J-52; inspect, maintain, test, repair, and perform complete repair of aircraft power plants and power plant systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color perception.

(3) Complete the appropriate formal "A" school, NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Whidbey Island, WA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.12B, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6223.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6213.

46. MOS 6226, Fixed-Wing Aircraft Power Plants Mechanic, T-56 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft power plants mechanics, T-56; inspect, maintain, test, repair, and perform complete repair of aircraft power plants and power plant systems.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.
- (3) Complete the appropriate formal "A" school at NATTC NAS Pensacola, FL.
- (4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6226.

d. Related DOT Classification/DOT Code

- (1) Airframe and Power Plant Mechanic 621.281-014.
- (2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6216.

47. MOS 6227, Fixed-Wing Aircraft Power Plants Mechanic, F-404 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft power plants mechanics, F-404; inspect, maintain, test, repair, and perform complete repair of aircraft power plants and power plant systems.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.
- (3) Complete the appropriate formal "A" schools at CNATTU, NAS Pensacola, FL.
- (4) Complete the appropriate formal "C" school at CNATTU, NAS Lemoore, CA or CNATTU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6227.

d. Related DOT Classification/DOT Code

- (1) Airframe and Power Plant Mechanic 621.281-014.
- (2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Fixed-Wing Aircraft Mechanic, 6217.

48. MOS 6242, Fixed-Wing Aircraft Flight Engineer, KC-130 (MGySgt to Sgt) NMOS (6276)

a. Summary. Fixed-Wing aircraft flight engineers, KC-130; monitor all aircraft systems and operate the flight engineer's panel during flight operations. Assist the pilot/copilot in preflight and postflight inspections of the aircraft, supervise servicing functions and record all discrepancies upon completion of flight. Perform the duties of the aircraft mechanic, aircraft power plants mechanic, and KC-130 flight mechanic.

b. Requirements/Prerequisites

- (1) Must be qualified in MOS 6276.
- (2) Must possess a secret security clearance.
- (3) Four years of obligated service upon assignment of MOS 6242.
- (4) Complete NAMTRA MAR UNIT Crs M-050-0418 (Flight Engineer Ground School).
- (5) Complete VMGRT-253 FRS flight Training requirement as specified in the appropriate NATOPS Manual and outlined in MCO P3500.15, Aviation Training and Readiness (T&R) Manual.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.14 and MCO P3500.15, Aviation Training and Readiness (T&R) Manuals, and MCO P4790.20, Maintenance Training Management and Evaluation program (MATMEP) for MOSs 6232/6242.

d. Related DOT Classification/DOT Code

- (1) Airframe and Power Plant Mechanic 621.281-014.
- (2) Flight Engineer 621.261-018.
- (3) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill

- (1) Fixed-Wing Aircraft Mechanic, 6216.
- (2) Fixed-Wing Aircraft Power Plants Mechanic, 6226.
- (3) Fixed-Wing Aircraft Flight Mechanic, 6232.

49. MOS 6243, Fixed-Wing Transport Aircraft Specialist, C-9 (MGySgt to LCpl) NMOS (any PMOS from 60/61/62/63/64)

a. Summary. Ground maintenance technicians and crew chiefs are responsible to perform duties incident to the maintenance and operation of Marine C-9 Fixed-Wing Transport Aircraft at VMR-1.

b. Requirements/Prerequisites

- School.
- (1) Complete an appropriate Enlisted Aviation Maintenance Training "A"
 - (2) Must be skill qualified in a primary MOS from any of the following OccFlds: 60/61/62, Aircraft Maintenance; 63/64, Avionics.
 - (3) Satisfactory performance in primary MOS duties for the initial 6-months of assignment to VMR-1.
 - (4) Must volunteer for aircrew training.
 - (5) Complete appropriate C-9 Airframes and Systems Training Course and Flight Safety International (FSI) C-9 Systems Introduction Course.
 - (6) Meet the requirements of OPNAVINST 3710.7 and the USN Manual of the Medical Department.
 - (7) Complete all requirements for Water Survival/Water Physiology.
 - (8) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the C-9 Fixed-Wing Transport Aircraft.

c. Duties

- (1) Performs turnaround, and post flight inspections of assigned aircraft.
- (2) Performs Phase Inspections of assigned aircraft.
- (3) Performs Special Inspections of assigned aircraft.
- (4) Troubleshoots and maintains engine and related systems.
- (5) Qualify as an APU turn-up (GTCPA5-98D).
- (6) Qualify as an Engine turn-up (IT8D).
- (7) Reconfigure aircraft to meet required JOSAC/HQMC/CMC missions.
- (8) Troubleshoots and maintains electrical power and distribution systems.
- (9) Troubleshoots and maintains fire detection systems.
- (10) Troubleshoots and maintains instruments and lighting systems.
- (11) Troubleshoots and maintains all communication, navigation, and radar systems.
- (12) Troubleshoots and maintains hydraulic systems.
- (13) Troubleshoots and maintains airframe structures and systems.
- (14) Plans, schedules, and directs work center assignments.
- (15) Performs duties as a Quality Assurance Representative.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill

(1) Fixed-Wing Aircraft Mechanic, 62XX.

(2) Fixed-Wing Aircraft Flight Engineer, KC-130, 6242.

(3) Fixed-Wing Aircraft Crew Chief, KC-130, 6276.

50. MOS 6244, Fixed-Wing Transport Aircraft Specialist, C-12 (MGySgt to PFC) NMOS (any PMOS from 60/61/62/63/64)

a. Summary. Transport aircrew men are responsible to perform duties incident to the operation of Marine C-12 Fixed-Wing Transport Aircraft.

b. Requirements/Prerequisites

(1) Complete an appropriate Enlisted Aviation Maintenance Training "A" School.

(2) Must be skills qualified in a primary MOS from any of the following OccFlds: 60\61\62, Aircraft Maintenance; or 63/64, Avionics.

(3) Must volunteer for aircrew training.

(4) Complete the C-12 Aircraft Systems Course.

(5) Meet the requirement of OPNAVINST 3710.7 and the USN Manual of the Medical Department.

(6) Complete all requirements for Water Survival/Water Physiology.

(7) Complete all requirement contained in appropriate NATOPS manual or syllabi peculiar to the C-12 Fixed-Wing Transport Aircraft.

c. Duties

(1) Performs daily, turnaround and post flight inspection of assigned aircraft.

(2) Perform routine servicing of aircraft as required.

(3) Reconfigure aircraft to meet required JOSAC/HQMC/CMC missions.

(4) Properly manifest passengers before each flight leg as required.

(5) Ensure passenger baggage and/or light cargo is properly weighed and loaded before each flight leg as required.

(6) Ensure aircraft weight and balance form is properly completed before each flight leg as required.

(7) Assist passengers and/or pilots during flight as required.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill

- (1) Fixed-Wing Aircraft Mechanic, 62XX.
- (2) Fixed-Wing Aircraft Flight Engineer, KC-130, 6242.

51. MOS 6246, Fixed-Wing Transport Aircraft Specialist, C-20 (MGySgt to LCpl) NMOS (any PMOS from 60/61/62/63/64)

a. Summary. Ground maintenance technicians and enlisted aircrews are responsible to perform duties incident to the maintenance and operation of Marine C-20 Fixed-Wing Transport Aircraft at VR-1. This MOS will be assigned as a NMOS only.

b. Requirements/Prerequisites

- (1) Complete an appropriate Enlisted Aviation Maintenance Training "A" School.
- (2) Must have skills qualified in a primary MOS from any of the following OccFlds: 60\61\62, Aircraft Maintenance; or 63/64, Avionics.
- (3) Satisfactory performance in primary MOS duties for initial 6 months of assignment to VR-1.
- (4) Must volunteer for aircrew training.
- (5) Complete appropriate C-20 Mechanical Systems Organizational Maintenance Initial Course, Avionics/Electrical Systems Organizational Maintenance Course at Flight Safety International, Savannah, GA.
- (6) Meet the requirement of OPNAVINST 3710.7 and the USN Manual of the Medical Department.
- (7) Complete all requirements for Water Survival/Water Physiology.
- (8) Complete all requirement contained in appropriate NATOPS manual or syllabi peculiar to the C-20 Fixed-Wing Transport Aircraft.

c. Duties

- (1) Performs daily and turnaround inspections of assigned aircraft.
- (2) Performs phase inspections of assigned aircraft.
- (3) Performs special inspections of assigned aircraft.
- (4) Inspects, tests, troubleshoots, and maintains engine and related systems.
- (5) Inspects, tests, troubleshoots, and maintains electrical power and distribution systems.
- (6) Inspects, tests, troubleshoots, and maintain fire detection systems.
- (7) Inspects, tests, troubleshoots, and maintains instruments and lighting systems.

(8) Inspects, tests, troubleshoots, and maintains all communication, navigation, and radar systems.

(9) Inspects, tests, troubleshoots, and maintains hydraulic systems.

(10) Inspects, tests, troubleshoots, and maintains airframe structures and systems.

(11) Plans, schedules, and directs work center assignment.

(12) Performs duties as a Quality Assurance Representative.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

e. Related Military Skill

(1) Fixed-Wing Aircraft Mechanic, 62XX.

(2) Fixed-Wing Aircraft Flight Engineer, KC-130, 6242.

52. MOS 6247, Fixed-Wing Transport Aircraft Specialist, UC-35 (MGySgt to LCpl) NMOS (any PMOS from 60/61/62/63/64)

a. Summary. UC-35 transport specialists are responsible to perform duties incident to the operation of Marine UC-35 Fixed-Wing Transport Aircraft.

b. Requirements/Prerequisites

(1) Complete an appropriate Enlisted Aviation Maintenance Training "A" School.

(2) Must have skills qualified in a primary MOS from any of the following OccFlds: 60\61\62, Aircraft Maintenance; or 63/64, Avionics.

(3) Must volunteer for aircrew training.

(4) Complete the UC-35 Aircraft Systems Course.

(5) Must meet the requirement of OPNAVINST 3710.7 and the USN Manual of the Medical Department.

(6) Complete all requirements for Water Survival/Water Physiology.

(7) Complete all requirements contained in appropriate NATOPS manual or syllabi peculiar to the UC-35 Fixed Wing Transport Aircraft.

c. Duties

(1) Perform daily turnaround and post-flight inspection of assigned aircraft.

(2) Perform routine servicing of aircraft as required.

(3) Reconfigure aircraft to meet required JOSAC/HQMC/CMC missions.

(4) Properly manifest passengers before each flight leg as required.

(5) Ensure passenger baggage and/or light cargo is properly weighed and loaded before each flight leg as required.

(6) Ensure aircraft weight and balance form is properly completed before each flight leg as required.

(7) Assist passengers and/or pilots during flight as required.

d. Related DOT Classification/DOT Code. Flight Engineer 621.261-018.

53. MOS 6251, Fixed-Wing Aircraft Airframe Mechanic-Trainee (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft airframe mechanic trainees, under instruction or close supervision, train for one of the aircraft airframe systems technician MOSSs.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete respirator physical.

c. Duties. Performs duties under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

e. Related Military Skill. None.

54. MOS 6252, Fixed-Wing Aircraft Airframe Mechanic, AV-8/TAV-8 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing Aircraft airframe mechanics, AV-8/TAV-8; inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6252.

d. Related DOT Classification/DOT Code

(1) Aircraft Body Repairer 807.261-010.

(2) Airframe and Power Plant Mechanic 621.281-014.

(3) Pneumatic Tester and Mechanic 621.381-022.

(4) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Airframe Mechanic, 6152 to 6156.

55. MOS 6253, Fixed-Wing Aircraft Airframe Mechanic, EA-6 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft airframe mechanics, EA-6; inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Whidbey Island, WA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6253.

d. Related DOT Classification/DOT Code

(1) Aircraft Body Repairer 807.261-010.

(2) Airframe and Power Plant Mechanic 621.281-014.

(3) Pneumatic Tester and Mechanic 621.381-022.

(4) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Airframe Mechanic, 6152 to 6156.

56. MOS 6256, Fixed-Wing Aircraft Airframe Mechanic, KC-130 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft airframe mechanics, KC-130, inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6256.

d. Related DOT Classification/DOT Code

- (1) Aircraft Body Repairer 807.261-010.
- (2) Airframe and Power Plant Mechanic 621.281-014.
- (3) Pneumatic Tester and Mechanic 621.381-022.
- (4) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Airframe Mechanic, 6152 to 6156.

57. MOS 6257, Fixed-Wing Aircraft Airframe Mechanic, F/A-18 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft airframe mechanics, F/A-18; inspect, maintain, and repair aircraft hydraulic/pneumatic and structure systems.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.
- (3) Complete the appropriate formal "A" schools at CNATTU, NAS Pensacola, FL.
- (4) Complete the appropriate formal "C" schools at CNATTU, NAS Lemoore, CA or CNATTU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6257.

d. Related DOT Classification/DOT Code

- (1) Aircraft Body Repairer 807.261-010.
- (2) Airframe and Power Plant Mechanic 621.281-014.
- (3) Pneumatic Tester and Mechanic 621.381-022.
- (4) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. Helicopter/Tiltrotor Airframe Mechanic, 6152 to 6156.

58. MOS 6276, Fixed-Wing Aircraft Crew Chief, KC-130 (MGySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft crew chiefs, KC-130; are mission essential aircrew who perform duties incident to the operation and maintenance of the KC-130 aircraft. They perform routine duties incident to the following: turnaround inspections (preflight/post flight), servicing, engine start, taxi, run-up, takeoff, cruise, descent, landing, securing, and normal/emergency procedures. Maintenance training emphasizes familiarization on the following aircraft subsystems: engine, propeller, electrical, bleed air/anti-ice, fuel, hydraulic, and comm/nav. Operational training will familiarize the crew chief with aerial refueling loading and low-level operations.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color perception.
- (3) Volunteer for duties involving flight as an aircraft crewmember.
- (4) Must be a 2d class swimmer or higher.
- (5) Must be eligible for a secret security clearance.
- (6) Must be a U.S. citizen.
- (7) Must have 30-months obligated services.
- (8) Meet the requirement of OPNAVINST 3710.7 and the USN Manual of the Medical Department with normal depth perception.
- (9) Complete the Naval Aviation Enlisted Aircrew Training School at NATTC, NAS Pensacola, FL.
- (10) Complete Survival Evasion Resistance and Escape (SERE) School.
- (11) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.
- (12) Complete the Plane Captain (PC) ground syllabus for aircraft type.
- (13) Complete the appropriate formal "C" schools and appropriate KC-130 Flight Mechanic Organizational Maintenance Course at NAMTRA MAR UNIT, MCAS Cherry Point, NC.
- (14) Complete the appropriate formal "C" school at VMGRT-253 FRS (Flight Training), MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P3500.15, Aviation Training and Readiness (T&R) Manual and MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6276.

d. Related DOT Classification/DOT Code. None.

e. Related Military Skill. None.

59. MOS 6281, Fixed-Wing Aircraft Safety Equipment Mechanic-Trainee (GySgt to Pvt)
PMOS

a. Summary. Fixed-Wing aircraft safety equipment mechanic trainees, under instruction or close supervision, train for one of the aircraft safety equipment systems technician MOSs.

b. Requirements/Prerequisites

- (1) Must possess an MM score of 105 or higher.
- (2) Must have normal color vision.

c. Duties. Performs duty under instruction.

d. Related DOT Classification/DOT Code. No civilian equivalent.

d. Related Military Skill. None.

60. MOS 6282, Fixed-Wing Aircraft Safety Equipment Mechanic, AV-8/TAV-8 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft safety equipment mechanics, AV-8/TAV-8; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6282.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

61. MOS 6283, Fixed-Wing Aircraft Safety Equipment Mechanic, EA-6 (GySgt to Pvt) PMOS

a. Summary. Fixed-Wing aircraft safety equipment mechanics, EA-6; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRAU, NAS Whidbey Island, WA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6283.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

62. MOS 6286, Fixed-Wing Aircraft Safety Equipment Mechanic, KC-130 (GySgt to Pvt)
PMOS

a. Summary. Fixed-Wing aircraft safety equipment mechanics, KC-130; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" school at NATTC, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" school at NAMTRA MAR Unit, MCAS Cherry Point, NC.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6286.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

63. MOS 6287, Fixed-Wing Aircraft Safety Equipment Mechanic, F/A-18 (GySgt to Pvt)
PMOS

a. Summary. Fixed-Wing aircraft safety equipment mechanics, F/A-18; inspect, maintain, and repair aircraft centered safety equipment and systems.

b. Requirements/Prerequisites

(1) Must possess an MM score of 105 or higher.

(2) Must have normal color vision.

(3) Complete the appropriate formal "A" schools at CNATTU, NAS Pensacola, FL.

(4) Complete the appropriate formal "C" schools at CNATTU, NAS Lemoore, CA or CNATTU, Oceana, VA.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Programs (MATMEP) for MOS 6287.

d. Related DOT Classification/DOT Code

(1) Airframe and Power Plant Mechanic 621.281-014.

(2) Supervisor, Aircraft Maintenance 621.131-014.

e. Related Military Skill. None.

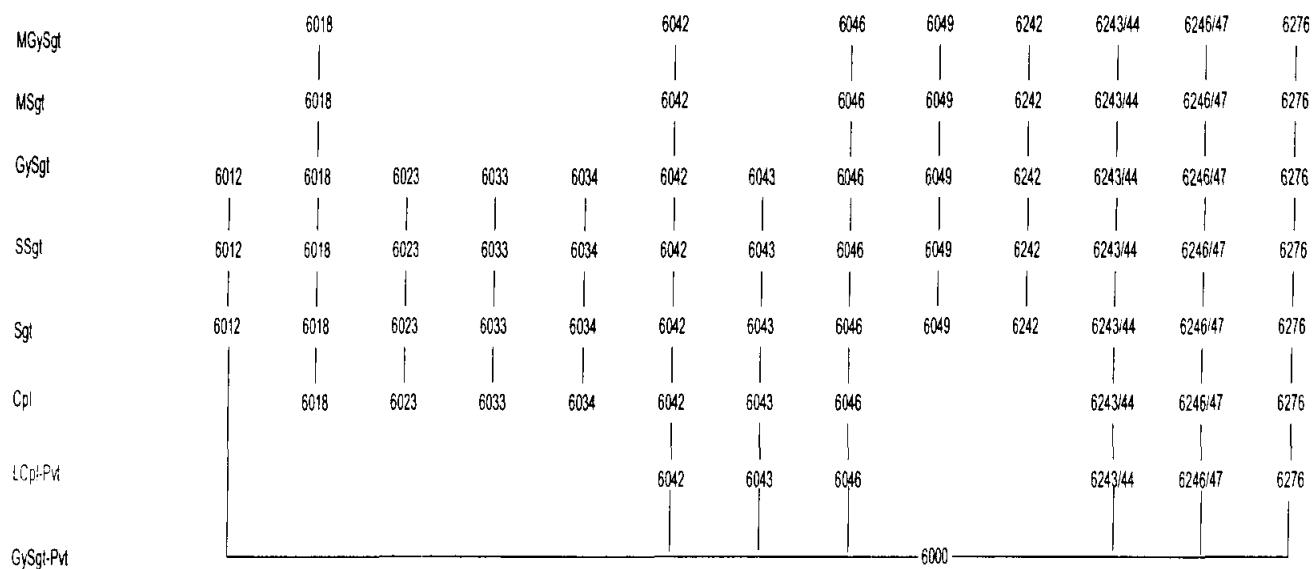
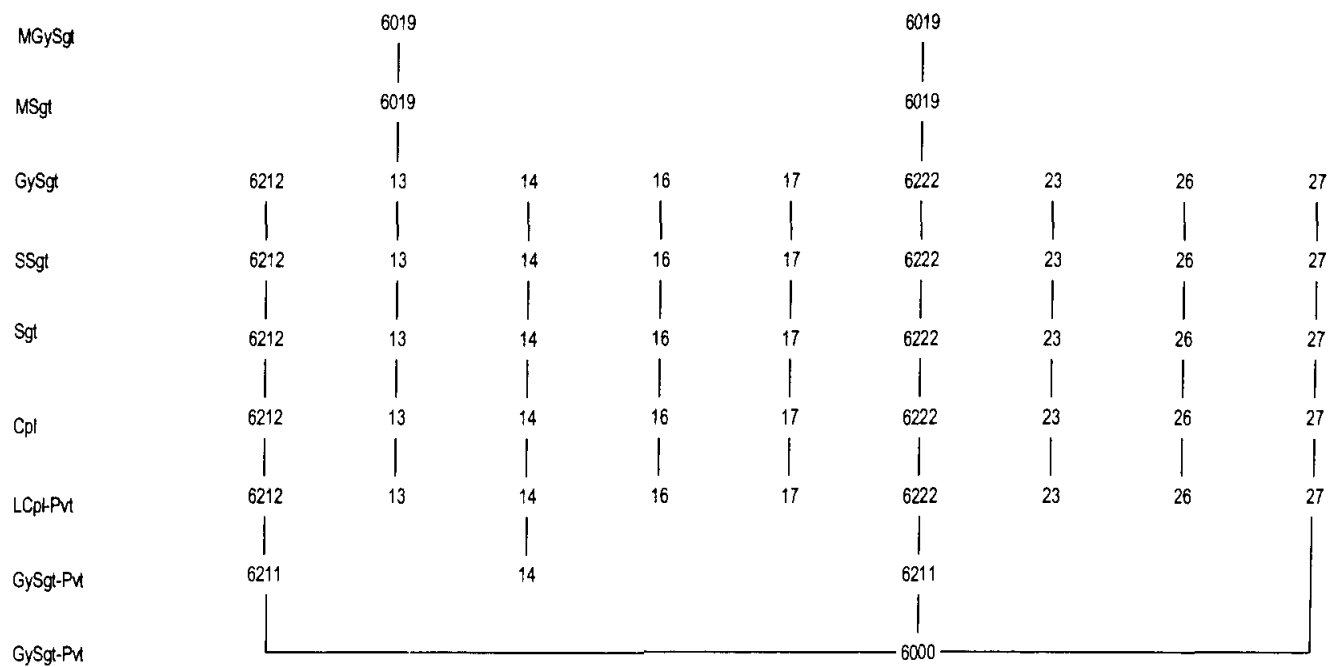


FIGURE 3-29.--Aircraft Maintenance Career Structure Chart

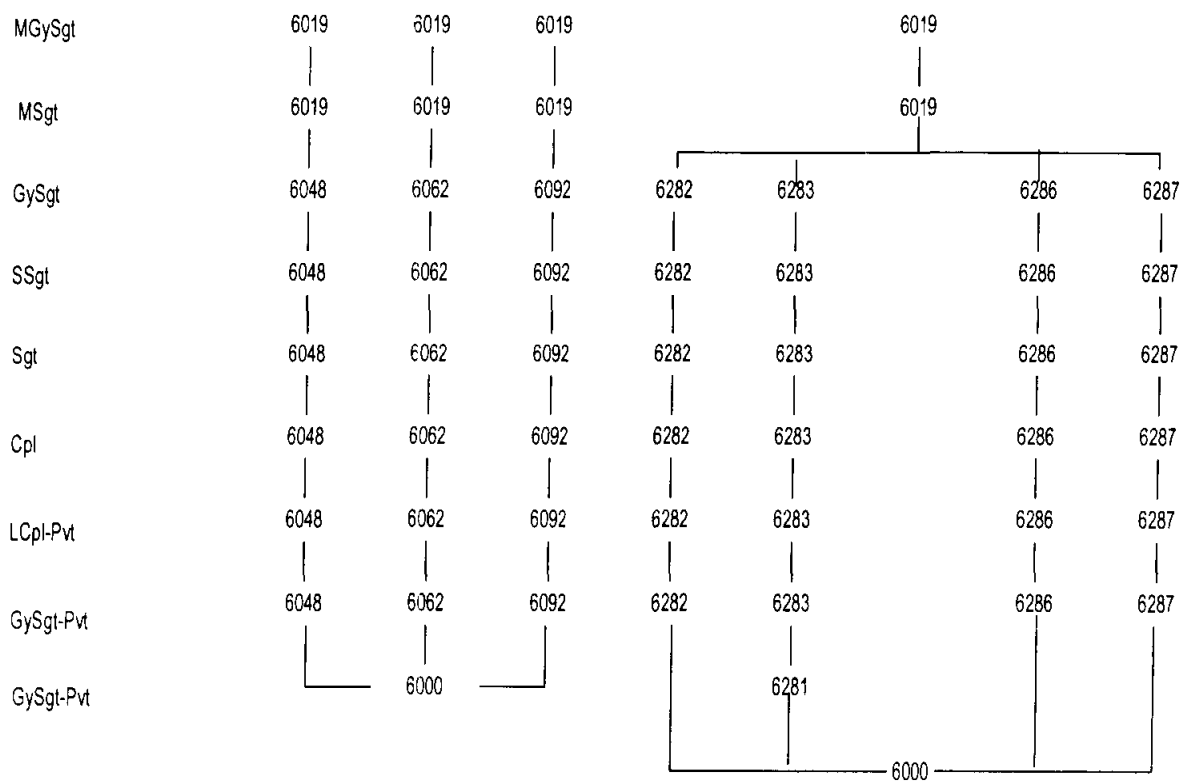
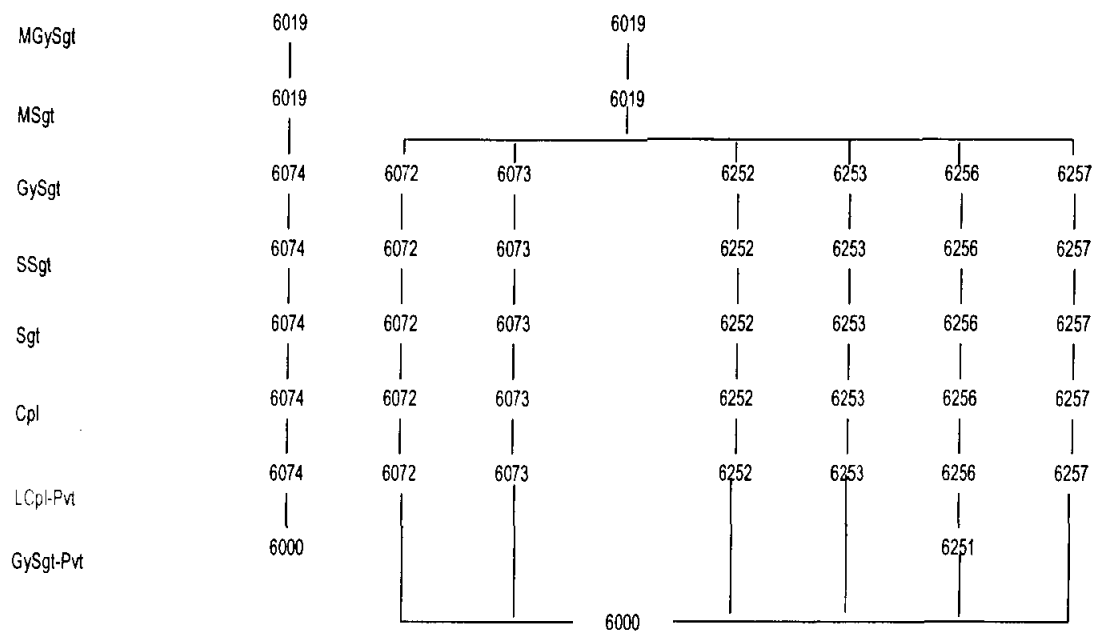
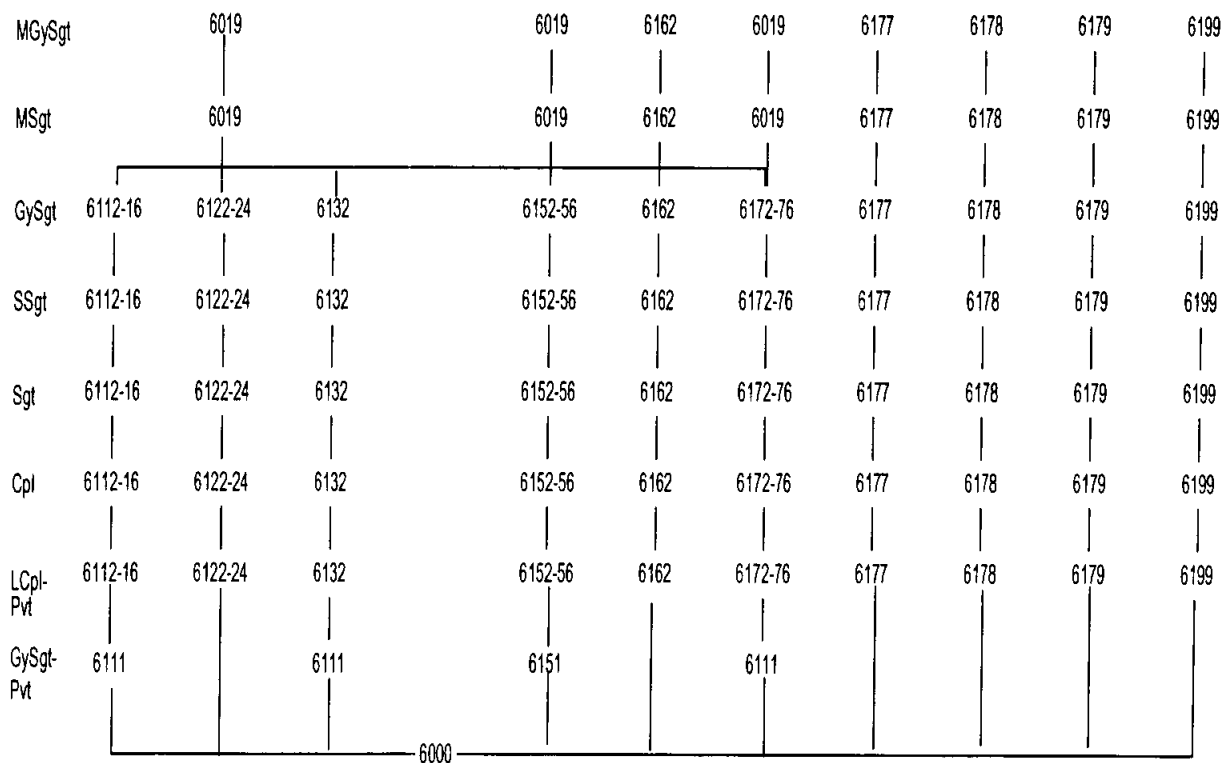


FIGURE 3-28.--Aircraft Maintenance Career Structure Chart



MOS TITLE

6000	Basic Aircraft Maintenance Marine (Basic MOS)
6012	Aviation Maintenance Controller/Production Controller (NMOS)
6018	Aviation Quality Assurance Representative (QAR), Collateral Duty Quality Assurance Representative (CDQAR), and Collateral Duty Inspector (CDI) (NMOS)
6019	Aircraft Maintenance Chief (PMOS)
6023	Aircraft Power Plants Test Cell Operator (NMOS)
6033	Aircraft Nondestructive Inspection Technician (NMOS)
6042	Individual Material Readiness List (IMRL) Asset Manager (PMOS)
6043	Aircraft Welder (NMOS)
6046	Aircraft Maintenance Administrative Specialist (PMOS)
6048	Flight Equipment Technician (PMOS)
6049	NALCOMIS Application Administrator/Analyst (NMOS)
6062	Aircraft Intermediate Level Hydraulic/Pneumatic Mechanic (PMOS)
6072	Aircraft Maintenance SE Hydraulic/Pneumatic/Structures Mechanic (PMOS)
6073	Aircraft Maintenance SE Electrician/Refrigeration Mechanic (PMOS)
6074	Cryogenics Equipment Operator (PMOS)
6092	Aircraft Intermediate Level Structures Mechanic (PMOS)
6111	Helicopter/Tiltrotor Mechanic-Trainee (PMOS)
6112	Helicopter Mechanic, CH-46 (PMOS)
6113	Helicopter Mechanic, CH-53 (PMOS)
6114	Helicopter Mechanic, UH/AH-1 (PMOS)
6116	Tiltrotor Mechanic, MV-22 (PMOS)
6122	Helicopter Power Plants Mechanic, T-58 (PMOS)
6123	Helicopter Power Plants Mechanic, T-64 (PMOS)
6124	Helicopter Power Plants Mechanic, T-400/T-700 (PMOS)

FIGURE 3-29.--Aircraft Maintenance Career Structure Chart

6132 Helicopter Tiltrotor Dynamic Components Mechanic (PMOS)
 6152 Helicopter Airframe Mechanic, CH-46 (PMOS)
 6153 Helicopter Airframe Mechanic, CH-53 (PMOS)
 6154 Helicopter Airframe Mechanic, UH/AH-1 (PMOS)
 6156 Tiltrotor Airframe Mechanic, MV-22 (PMOS)
 6162 Presidential Support Specialist (NMOS)
 6172 Helicopter Crew Chief, CH-46 (PMOS)
 6173 Helicopter Crew Chief, CH-53 (PMOS)
 6174 Helicopter Crew Chief, UH-1 (PMOS)
 6176 Tiltrotor Crew Chief, MV-22 (PMOS)
 6177 Weapons and Tactics Crew Chief Instructor (NMOS)
 6178 VH-60N Presidential Helicopter Crew Chief (NMOS)
 6179 VH-3D Presidential Helicopter Crew Chief (NMOS)
 6199 Enlisted Aircrew/Aerial Observer/Gunner (FMOS)
 6212 Fixed-Wing Aircraft Mechanic, AV-8/TAV-8 (PMOS)
 6213 Fixed-Wing Aircraft Mechanic, EA-6 (PMOS)
 6214 Unmanned Aerial Vehicle (UAV) Mechanic (PMOS)
 6216 Fixed-Wing Aircraft Mechanic, KC-130 (PMOS)
 6217 Fixed-Wing Aircraft Mechanic, F/A-18 (PMOS)
 6222 Fixed-Wing Aircraft Power Plants Mechanic, F-402 (PMOS)
 6223 Fixed-Wing Aircraft Power Plants Mechanic, J-52 (PMOS)
 6226 Fixed-Wing Aircraft Power Plants Mechanic, T-56 (PMOS)
 6227 Fixed-Wing Aircraft Power Plants Mechanic, F-404 (PMOS)
 6242 Fixed-Wing Aircraft Flight Engineer, KC-130 (NMOS)
 6243 Fixed-Wing Transport Aircraft Specialist, C-9 (NMOS)
 6244 Fixed-Wing Transport Aircraft Specialist, C-12 (NMOS)
 6246 Fixed-Wing Transport Aircraft Specialist, C-20 (NMOS)
 6247 Fixed-Wing Transport Aircraft Specialist, UC-35 (NMOS)
 6251 Fixed-Wing Aircraft Airframe Mechanic-Trainee (PMOS)
 6252 Fixed-Wing Aircraft Airframe Mechanic, AV-8/TAV-8 (PMOS)
 6253 Fixed-Wing Aircraft Airframe Mechanic, EA-6 (PMOS)
 6256 Fixed-Wing Aircraft Airframe Mechanic, KC-130 (PMOS)
 6257 Fixed-Wing Aircraft Airframe Mechanic, F/A-18 (PMOS)
 6276 Fixed-Wing Aircraft Crew Chief, KC-130 (PMOS)
 6281 Fixed-Wing Aircraft Safety Equipment Mechanic-Trainee (PMOS)
 6282 Fixed-Wing Aircraft Safety Equipment Mechanic, AV-8/TAV-8 (PMOS)
 6283 Fixed-Wing Aircraft Safety Equipment Mechanic, EA-6 (PMOS)
 6286 Fixed-Wing Aircraft Safety Equipment Mechanic, KC-130 (PMOS)
 6287 Fixed-Wing Aircraft Safety Equipment Mechanic, F/A-18 (PMOS)

FIGURE 3-29.--Aircraft Maintenance Career Structure Chart

3136. OCCUPATIONAL FIELD 63/64, AVIONICS

1. Introduction. The avionics OccFld includes direct and indirect support of all aviation weapon systems. While there is a large similarity in the skills required to provide this support, the systems being supported are diverse. The following examples are provided: direct support repair accomplished at the organizational maintenance activity (OMA) which is normally accomplished on aircraft, e.g., replacement of the radar antenna on the aircraft; indirect support-repair accomplished at the intermediate maintenance activity (IMA) which is normally accomplished off aircraft, e.g., radar system module repair, and repair/calibration of the radar support equipment. Marines entering the OccFld receive MOS 6300 for OMA, and MOS 6400 for IMA, Basic Avionics Marine, and then progress through specific hard skill MOSSs and ultimately are assigned MOS 6391, Avionics Maintenance Chief. Qualifications initially include technical proficiency in the repair of one or more electronic systems after completion of formal training. As the Marine is promoted, repair and administrative requirements for multiple systems take on an equal importance until the Marine is ultimately placed in a supervisory position. Billets for both repair and administration are varied and extend from the squadron level to staff positions at the Wing and force commander, and Headquarters U.S. Marine Corps level.

2. MOS 6312, Aircraft Communications/Navigation/Weapon Systems Technician, AV-8 (GySgt to Pvt) PMOS

a. Summary. Aircraft communications/navigation/weapon systems technicians, AV-8, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 105 or higher.
- (2) Must be a U.S. citizen.
- (3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/WPN/Radar systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/weapon systems technician (OMA) on the AV-8 aircraft.
- (4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.
- (5) Must have a secret security clearance when cryptographic equipment/components are to be handled.
- (6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6312.

d. Related DOT Classification/DOT Code

- (1) Avionics Technician 823.281-010.
- (2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

3. MOS 6313, Aircraft Communications/Navigation/Radar Systems Technician, EA-6 (GySgt to Pvt) PMOS

a. Summary. Aircraft communications/navigation/radar systems technicians, EA-6, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on the COMM/NAV/Radar system, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/radar systems technician (OMA) on the EA-6 aircraft.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6313.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

4. MOS 6314, Unmanned Aerial System (UAS) Avionics Technician (GySgt to Pvt) PMOS

a. Summary. Unmanned aerial vehicle (UAV) avionics technicians install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Is a graduate of UAV Electronic Technician Course at NAMTRA GRU DET, Milton, FL.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6314.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

5. MOS 6316, Aircraft Communications/Navigation Systems Technician, KC-130 (GySgt to Pvt) PMOS

a. Summary. Aircraft communications/navigation systems technicians, KC-130, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on the COMM/NAV systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation systems technician (OMA) on the KC-130 aircraft.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6316.

d. Requirements/Prerequisites

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

6. MOS 6317, Aircraft Communications/Navigation/Weapon Systems Technician, F/A-18 (GySgt to Pvt) PMOS

a. Summary. Aircraft communications/navigation/weapon systems technicians, F/A-18, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on the COMM/NAV/WPN systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/weapon systems technician (OMA) on the F/A-18 aircraft.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6317.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

7. MOS 6322, Aircraft Communications/Navigation/Electrical Systems Technician, CH-46 (GySgt to Pvt) PMOS

a. Summary. Aircraft communications/navigation/electrical systems technicians, CH-46, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/ELEC systems, and have completed a sufficient period of OJT

to qualify as an aircraft communications/navigation/electrical systems technician (OMA) on the CH-46.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6322.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

8. MOS 6323, Aircraft Communications/Navigation/Electrical Systems Technician, CH-53 (GySgt to Pvt) PMOS

a. Summary. Aircraft communications/navigation/electrical systems technicians, CH-53, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/ELEC systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/electrical systems technician (OMA) on the CH-53.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6323.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

9. MOS 6324, Aircraft Communications/Navigation/Electrical/Weapon Systems Technician, U/AH-1 (GySgt to Pvt) PMOS

a. Summary. Aircraft communications/navigation/electrical/weapon systems technicians, U/AH-1, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/ELEC/WPN systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/electrical/weapons systems technician (OMA) on the U/AH-1.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6324.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

10. MOS 6326, Aircraft Communications/Navigation/Electrical/Weapon Systems Technician, V-22 (GySgt to Pvt) PMOS

a. Summary. Aircraft communications/navigation/electrical/weapon systems technicians, V-22, install, remove, inspect, test, maintain, and repair systems, components, and ancillary equipment of installed Aircraft Communications/Navigation/Electrical/Weapon Systems to include Deceptive Electronic Countermeasures (DECM) Systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must be a U.S. citizen.

(3) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on the COMM/NAV/ELEC/WPN systems, and have completed a sufficient period of OJT to qualify as an aircraft communications/navigation/electrical/weapons systems technician (OMA) on the V-22 aircraft.

(4) Complete an approved course of instruction for processing, handling, removal, installation, and operation of airborne secure voice communications equipment and qualified to perform limited maintenance as authorized.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6326.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

11. MOS 6332, Aircraft Electrical Systems Technician, AV-8 (GySgt to Pvt) PMOS

a. Summary. Aircraft electrical systems technicians, AV-8, install, remove, inspect, test, maintain, and repair system, component, and ancillary equipment of installed aircraft electrical systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete one or more NAMTRA MAR Unit, or equivalent, OMA maintenance courses on electrical systems, and has completed a sufficient period of OJT to qualify as an aircraft electrical systems technician on the AV-8 aircraft.

(3) Must be a U.S. citizen.

(4) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6332.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Electrician Supervisor 829.131-014.

e. Related Military Skill. None.

12. MOS 6333, Aircraft Electrical Systems Technician, EA-6 (GySgt to Pvt) PMOS

a. Summary. Aircraft electrical systems technicians, EA-6, install, remove, inspect, test, maintain, and repair system, component, and ancillary equipment of installed aircraft electrical systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on electrical systems, and has completed a sufficient period of OJT to qualify as an aircraft electrical systems technician on the EA-6 aircraft.

(3) Must be a U.S. citizen.

(4) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6333.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Electrician Supervisor 829.131-014.

e. Related Military Skill. None.

13. MOS 6336, Aircraft Electrical Systems Technician, KC-130 (GySgt to Pvt) PMOS

a. Summary. Aircraft electrical systems technicians, KC-130, install, remove, inspect, test, maintain, and repair system, component, and ancillary equipment of installed aircraft electrical systems at the OMA level.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on electrical systems, and has completed a sufficient period of OJT to qualify as an aircraft electrical systems technician on the KC-130 aircraft.

(3) Must be a U.S. citizen.

(4) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6336.

d. Related DOT Classification/DOT Code

- (1) Electrician, Airplane 825.281-018.
- (2) Electrician Supervisor 829.131-014.

e. Related Military Skill. None.

14. MOS 6337, Aircraft Electrical Systems Technician, F/A-18 (GySgt to Pvt) PMOS

a. Summary. Aircraft electrical systems technicians, F/A-18, install, remove, inspect, test, maintain, and repair system, component, and ancillary equipment of installed aircraft electrical systems at the OMA level.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 105 or higher.
- (2) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on electrical systems, and has completed a sufficient period of OJT to qualify as an aircraft electrical systems technician on the F/A-18 aircraft.
- (3) Must be a U.S. citizen.
- (4) Must have a secret security clearance when cryptographic equipment/components are to be handled.
- (5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6337.

d. Related DOT Classification/DOT Code

- (1) Electrician, Airplane 825.281-018.
- (2) Electrician Supervisor 829.131-014.

e. Related Military Skill. None.

15. MOS 6386, Aircraft Electronic Countermeasures Systems Technician, EA-6B (GySgt to Pvt) PMOS

a. Summary. Aircraft electronic countermeasures systems technicians install, remove, inspect, test, maintain, and repair system, components, and ancillary equipment of installed Aircraft Electronic Countermeasures Systems at the OMA level.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 105 or higher.
- (2) Must be a U.S. citizen.

(3) Complete one or more NAMTRAU, or equivalent, OMA maintenance courses on EA-6B electronic countermeasures systems and have completed a sufficient period of OJT to qualify as an aircraft electronic countermeasures technician on the EA-6B aircraft.

(4) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and duties, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6386.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

16. MOS 6391, Avionics Maintenance Chief (MGySgt and MSgt) PMOS

a. Summary. Avionics maintenance chiefs, as noncommissioned officers in charge of the avionics division, supervise maintenance and repair of aircraft avionics systems, equipment, and components at the IMA/OMA levels.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Must have a secret security clearance.

(3) Must be a U.S. citizen.

c. Duties

(1) MGySgt and MSgt:

(a) Demonstrates proficiency in appropriate 63XX and 64XX lower level MOSs.

(b) Demonstrates a thorough working knowledge of the NAMP and 3M procedures.

(c) Ensures facilities are organized to support the maintenance and repair of avionics systems, equipment, or components at the IMA/OMA levels.

(d) Requisitions spare/replacement parts and necessary work center supplies and equipment using publications and supply documents.

(e) Maintains appropriate records of all maintenance and inspection actions performed, technical training conducted, and organic equipment assigned to the avionics division.

(f) Possesses a thorough understanding and working knowledge of sound management principles, work center supervision, proper methods of training personnel, and accepted and approved avionics maintenance procedures.

(2) MGySgt:

(a) Possesses a thorough understanding and working knowledge of Marine Corps administrative procedures including the format, preparation, and submission of naval messages.

(b) Demonstrates a thorough understanding of Marine Corps aviation staff organization and functioning of the Marine Aviation Logistic Squadron, Marine Aircraft Wing, and FMF Headquarters levels.

d. Related DOT Classification/DOT Code

(1) Supervisor, Avionics Shop 823.131-018.

(2) Supervisor, Electronics Systems Maintenance 828.161-010.

e. Related Military Skill. None.

17. MOS 6412, Aircraft Communications Systems Technician, IMA (Sgt to Pvt) PMOS

a. Summary. Aircraft communications systems technicians, IMA, at the IMA level, inspect, test, maintain, and repair components, assemblies, subassemblies, modules, cards, printed circuit boards, and ancillary equipment whose aggregate constitutes a complete aircraft communications system or subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV(A1).

(3) Complete the appropriate NAMTRAU, or equivalent to IMA maintenance course on aircraft communications systems, and have completed a sufficient period of OJT to qualify as an aircraft communications systems technician, IMA.

(4) Must have a confidential security clearance.

(5) Must have a secret security clearance when cryptographic equipment/components are to be handled.

(6) Must be a U.S. citizen.

(7) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4970.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6412.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. Aircraft Communications/Navigation System Technician, OMA, 6312-24.

18. MOS 6413, Aircraft Navigation Systems Technician, IFF/RADAR/TACAN, IMA (Sgt to Pvt) PMOS

a. Summary. Aircraft navigation systems technicians, IFF/Radar/TACAN, at the IMA level, inspect, test, maintain, and repair components, assemblies, subassemblies, modules, cards, printed circuit boards, and ancillary equipment whose aggregate constitutes a complete aircraft navigation system or subsystem.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 105 or higher.
- (2) Complete the Avionics Technician Course, AV(A1).
- (3) Complete at least one NAMTRAU, or equivalent to IMA maintenance course on aircraft navigational equipment, and have completed a sufficient period of OJT to qualify as an aircraft navigation systems technician, IMA.
- (4) Must have a confidential security clearance.
- (5) Must have a secret security clearance when cryptographic equipment/components are to be handled.
- (6) Must be a U.S. citizen.
- (7) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP), for MOS 6413.

d. Related DOT Classification/DOT Code

- (1) Avionics Technician 823.281-010.
- (2) Electronics Mechanic 828.281-010.

e. Related Military Skill. Aircraft Communications/Navigation System Technician, OMA, 6312-24.

19. MOS 6414, Advanced Aircraft Communications/Navigation Systems Technician, IMA (GySgt and SSgt) PMOS

a. Summary. Advanced aircraft communications/navigation systems technicians at the IMA inspect, test, maintain, and repair weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft communications/navigation system beyond normal fault isolation procedures.

b. Requirements/Prerequisites

- (1) Must satisfy the requirements/prerequisites for MOSs 6412, 6413.
- (2) Must have normal color vision.

c. Duties

(1) GySgt and SSgt:

(a) Possesses a thorough understanding and working knowledge of sound management principles, work center supervision, proper methods of training personnel, and accepted and approved naval aviation maintenance procedures.

(b) Performs quality assurance inspections for maintenance actions performed on equipment/components at the IMA level.

(c) Assists in the planning and scheduling of work center assignments.

(d) Monitors source data collection and prepares work center reports and records.

(e) Performs expanded troubleshooting using concise fault isolation procedures.

(2) GySgt: Organizes and administers facilities for the maintenance and repair of aircraft communications/navigation systems at the IMA level.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

20. MOS 6422, Aircraft Cryptographic Systems Technician, IMA (GySgt to Pvt) NMOS (6412)

a. Summary. Aircraft cryptographic systems technicians at the IMA level, inspect, test, maintain, and repair equipment, assemblies, subassemblies, modules, cards, and other components of airborne cryptographic systems. This MOS is assigned only to those specifically selected personnel already qualified and holding an IMA communications or navigation systems MOS (MOSs 6412).

b. Requirements/Prerequisites

(1) Complete the Avionics Technician Course, AV (A1), and one or more NAMTG, or equivalent, IMA maintenance courses on one or more of the aircraft communications or navigation systems. In addition, must have graduated from an approved course of unlimited or limited maintenance on appropriate "secure voice" communications or other cryptographic equipment.

(2) Must have a secret security clearance.

(3) Must be a U.S. citizen.

(4) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program, (MATMEP) for MOS 6422.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. Aircraft Communications Systems Technician, IMA, 6412.

21. MOS 6423, Aviation Electronic Microminiature/Instrument and Cable Repair Technician, IMA (Sgt to Pvt) PMOS

a. Summary. Aviation electronic microminiature/instrument and cable repair technicians, at the IMA level, inspect, test, maintain, and repair modules, cards, printed-circuit boards, cables, instruments, and miniature and microminiature components. They also perform appropriate level of corrosion control.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Aviation Electrician's Mate Course, AE (A1), or equivalent.

(3) Must be a U.S. citizen.

(4) Must have a confidential security clearance.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6423.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. Microminiature Circuit Repair Specialist, 5911.

22. MOS 6432, Aircraft Electrical/Instrument/Flight Control Systems Technician, Fixed Wing, IMA (Sgt to Pvt) PMOS

a. Summary. Aircraft electrical/instrument/flight control systems technicians, fixed wing, at the IMA level, inspect, test, maintain, and repair components, assemblies, subassemblies, modules, cards, printed circuit boards, and ancillary equipment whose aggregate constitutes a complete aircraft electrical/flight control system or subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Aviation Electricians Mate School Class A, AE (A).

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on aircraft electrical/flight control systems and instruments, and have completed a sufficient period of OJT to qualify as an aircraft electrical/instrument/flight control systems technician, fixed-wing, IMA.

(4) Must be a U.S. citizen.

(5) Must have a confidential security clearance.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6432.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

23. MOS 6433, Aircraft Electrical/Instrument/Flight Control Systems Technician, Helicopter, IMA (Sgt to Pvt) PMOS

a. Summary. Aircraft electrical/instrument/flight control systems technicians, helicopter at the IMA level, inspect, test, maintain, and repair components, assemblies, subassemblies, modules, cards, printed circuit boards, and ancillary equipment whose aggregate constitutes a complete Aircraft Electrical/Flight Control System or Subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Aviation Electricians Mate School Class A, AE (A).

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on aircraft electrical/flight control systems and instruments, and have completed a sufficient period of OJT to qualify as an aircraft electrical/instrument/flight control systems technician, helicopter, IMA.

(4) Must be a U.S. citizen.

(5) Must have a confidential security clearance.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation (MATMEP) for MOS 6433.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

24. MOS 6434, Advanced Aircraft Electrical/Instrument/Flight Control Systems Technician, IMA (GySgt and SSgt) PMOS

a. Summary. Advanced aircraft electrical/instrument/flight control systems technicians, IMA, at the IMA inspect, test, maintain, and repair weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft electrical/flight control system beyond normal fault isolation procedures.

b. Requirements/Prerequisites

(1) Must satisfy requirements/prerequisites for MOSs 6432, 6433, and 6423.

(2) Must have normal color vision.

c. Duties

(1) GySgt and SSgt:

(a) Possesses a thorough understanding and working knowledge of sound management principles, work center supervision, proper methods of training personnel, and accepted and approved naval aviation maintenance procedures.

(b) Performs quality assurance inspections for maintenance actions performed on equipment/components at the IMA level.

(c) Assists in the planning and scheduling of work center assignments.

(d) Monitors source data collection and prepares work center reports and records.

(e) Performs expanded troubleshooting using concise fault isolation procedures.

(2) GySgt: Organizes and administers facilities for the maintenance and repair of aircraft electrical/flight control systems at the IMA level.

d. Related DOT Classification/DOT Code

(1) Electrician, Airplane 825.281-018.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

25. MOS 6461, Hybrid Test Set Technician, IMA (Sgt to Pvt) PMOS

a. Summary. Hybrid test set technicians, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL.

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on the hybrid test set, and have completed a sufficient period of OJT to qualify as an hybrid test set technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6461.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

26. MOS 6462, Avionics Test Set (ATS) Technician, IMA (Sgt to Pvt) PMOS

a. Summary. Avionics test set technicians, IMA, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL.

(3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on the Integrated Avionics Test Set (IATS), and has completed a sufficient period of OJT to qualify as an IATS technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6462.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

27. MOS 6463, CASS HP Configuration Operator/Maintainer/Technician, IMA (Sgt to Pvt) PMOS

a. Summary. CASS HP configuration Operator/maintainer/technicians at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 105 or higher.
- (2) Complete the Avionics Technician Course, AV (A1), at NATTC Pensacola, FL.
- (3) Complete sufficient period of OJT to qualify as a CASS HIPWR/RADAR technician, IMA.
- (4) Must have a secret security clearance.
- (5) Must be a U.S. citizen.
- (6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6463.

d. Related DOT Classification/DOT Code

- (1) Electronics Mechanic 828.281-010.
- (2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

28. MOS 6464, Aircraft Inertial Navigation System Technician, IMA (Sgt to Pvt) PMOS

a. Summary. Aircraft inertial navigation system technicians, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 105 or higher.
- (2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL.
- (3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on the IMUTS II test set, and have completed a sufficient period of OJT to qualify as a IMUTS II technician.
- (4) Must have a secret security clearance.
- (5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6464.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

29. MOS 6466, CASS EO Configuration Operator/Maintainer/Technician/IMA (Sgt to Pvt) PMOS

a. Summary. CASS EO configuration operator/maintainer/technician, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1) at NATTC Pensacola, and the appropriate NAMTRU courses.

(3) Complete sufficient period of OJT to qualify as a CASS EO/FLIR Technician, IMA.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6466.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

30. MOS 6467, Consolidated Automatic Support System (CASS) Technician, IMA (Sgt to Pvt) PMOS

a. Summary. Consolidated automatic support system technician, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable, and ancillary equipment whose aggregate constitutes a complete aircraft weapon system.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 105 or higher.
- (2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL.
- (3) Complete one or more NAMTRAU, or equivalent, IMA maintenance courses on the Consolidated automated Support System (CASS) Test Set, and a sufficient period of OJT to qualify as a consolidated automatic support systems technician, IMA.
- (4) Must have a secret security clearance.
- (5) Must be a U.S. citizen.
- (6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6467.

d. Requirements/Prerequisites

- (1) Electronics Mechanic 828.281-010.
- (2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

31. MOS 6469, CASS Test Station IMA Advanced Maintenance Technician, IMA (GySgt and SSgt) PMOS

a. Summary. CASS test station IMA advanced maintenance technicians, at the IMA, inspect, test, maintain, repair, and analyze airborne weapon replaceable assemblies, shop replaceable assemblies, automatic test equipment, and ancillary equipment failures, beyond normal fault isolation procedures.

b. Requirements/Prerequisites

- (1) Satisfy requirements/prerequisites for MOSs 6461 to 6467.
- (2) Must have normal color vision.

c. Duties

(1) GySgt and SSgt:

- (a) Possesses a thorough understanding and working knowledge of sound management principles, work center supervision, proper methods of training personnel and accepted and approved naval aircraft maintenance procedures.
- (b) Performs quality assurance inspections for maintenance actions performed on equipment/components at the IMA level.
- (c) Assists in the planning and scheduling of work center assignments.
- (d) Monitors source data collection and assists on the preparation of work center reports and records.

(e) Performs expanded weapon replaceable assembly and test program set troubleshooting, using concise fault isolation procedures and a fundamental understanding of computer language at the programmer level associated with ATE in support of naval aircraft.

(2) GySgt: Organizes and administers facilities for the maintenance and repair of airborne weapon replaceable assemblies and shop replacement assemblies maintained on ATE as well as support of ATE.

d. Related DOT Classification/DOT Code

(1) Electronics Mechanic 828.281-010.

(2) Avionics Technician 823.281-010.

e. Related Military Skill. None.

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

e. Related Military Skill. None.

32. MOS 6482, Aircraft Electronic Countermeasures Systems Technician, Fixed-Wing, IMA (GySgt to Pvt) PMOS

a. Summary. Aircraft electronic countermeasures systems technicians, fixed-wing, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft electronic countermeasures system or subsystem.

b. Requirements/Prerequisites

(1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL.

(3) Complete one or more NAMTRAU, or equivalent IMA maintenance course(s) on electronic countermeasures equipment and have completed a sufficient period of OJT to qualify as a fixed-wing aircraft electronic countermeasures systems technician.

(4) Must have a secret security clearance.

(5) Must be a U.S. citizen.

(6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6482.

d. Related DOT Classification/DOT Code

- (1) Avionics Technician 823.281-010.
- (2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.33. MOS 6483, Aircraft Electronic Countermeasures Systems Technician, Helicopter, IMA (GySgt to Pvt) PMOS

a. Summary. Aircraft electronic countermeasures systems technicians, helicopter, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft electronic countermeasures system or subsystem.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 105 or higher.
- (2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL.
- (3) Complete one or more NAMTRAU, or equivalent IMA maintenance course(s) on electronic countermeasures equipment and have completed a sufficient period of OJT to qualify as a helicopter aircraft electronic countermeasures systems technician.
- (4) Must have a secret security clearance.
- (5) Must be a U.S. citizen.
- (6) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6483.

d. Related DOT Classification/DOT Code

- (1) Avionics Technician 823.281-010.
- (2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.34. MOS 6484, CASS EW Configuration Operator/Maintainer/Technician, IMA (GySgt to Pvt) PMOS

a. Summary. CASS EW configuration operator/maintainer/technician, at the IMA level, inspect, test, maintain, and repair airborne weapon replaceable assemblies, shop replaceable assemblies, and ancillary equipment whose aggregate constitutes a complete aircraft electronic countermeasures system or subsystem.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 105 or higher.

(2) Complete the Avionics Technician Course, AV (A1), at NATTC, Pensacola, FL, and appropriate NAMTRAU courses and one or more NAMTRAU, or equivalent IMA maintenance courses on ECM/RADCOM/CAT IIID or Consolidated Automated Support System (CASS)/Electronic Warfare Technician, IMA, and have a sufficient period of OJT to qualify as an EA-6B aircraft electronic countermeasures systems technician.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6484.

d. Related DOT Classification/DOT Code

(1) Avionics Technician 823.281-010.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

35. MOS 6492, Aviation Precision Measurement Equipment/Calibration and Repair Technician, IMA (GySgt to Pvt) PMOS

a. Summary. Aviation precision measurement equipment technicians test, maintain, repair, and calibrate aviation precision measurement and automatic test equipment.

b. Requirements/Prerequisites

(1) Must possess an EL score of 110 or higher.

(2) Complete the Aviation Basic Calibration Technician Pipeline Course.

(3) Must have a secret security clearance.

(4) Must be a U.S. citizen.

(5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6492.

d. Related DOT Classification/DOT Code

(1) Instrument Mechanic 710.281-026.

(2) Electronics Mechanic 828.281-010.

e. Related Military Skill. None.

36. MOS 6493, Aviation Meteorological Equipment Technician, OMA/IMA (GySgt to Pvt) PMOS

a. Summary. Aviation meteorological equipment maintenance technician install, test, maintain, and repair all electronic, information technology, and other

associated equipment employed by the Meteorology and Oceanography (METOC) OccFld in support of MAGTF operations. Typical equipment used for the surveillance, acquisition, and dissemination of METOC data and products includes Doppler weather radar, meteorological satellite systems, meteorological sensors, upper-air measuring systems, various voice and data communications equipment, information technology and data processing systems.

b. Requirements/Prerequisites

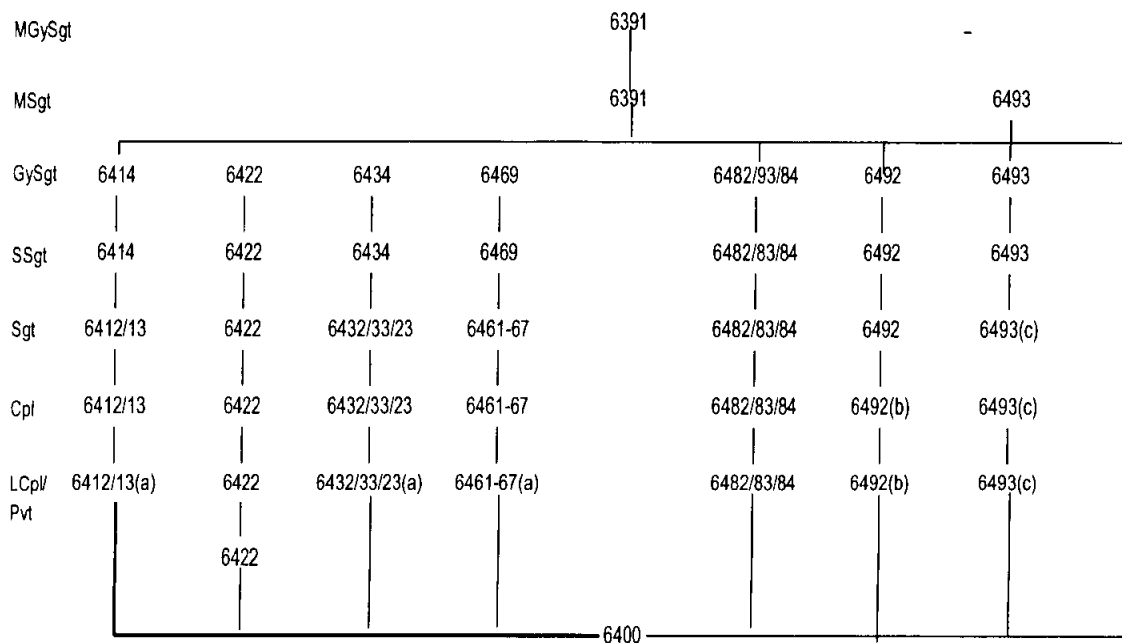
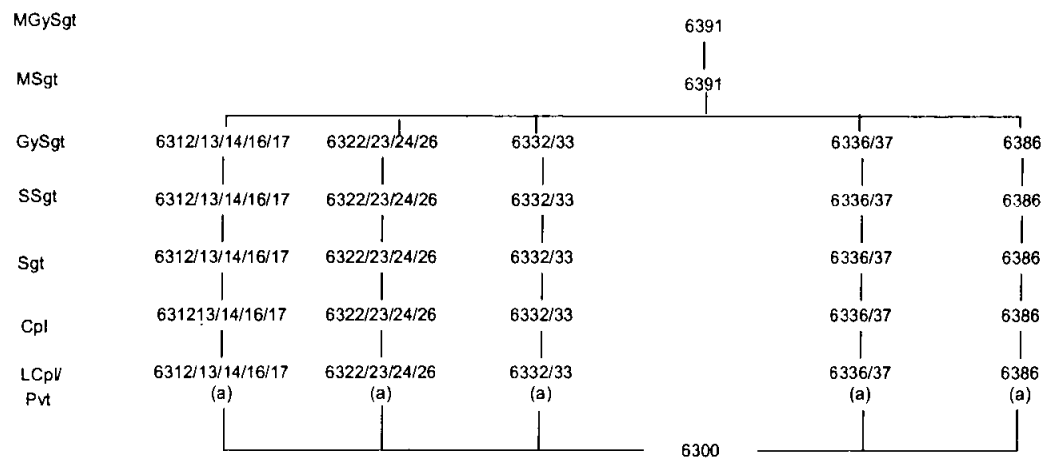
- (1) Must possess an EL score of 110 or higher.
- (2) Complete the Electronic Principles (CID: F02CWW1) Course at Keesler AFB, MS ("A" School) and the Meteorological Equipment Maintenance Class C1 (CID: F022811) Course at Keesler AFB, MS ("C" School).
- (3) Must have a secret security clearance.
- (4) Must be a U.S. citizen.
- (5) Must have normal color vision.

c. Duties. For a complete listing of duties and tasks, refer to MCO P4790.20, Maintenance Training Maintenance Training Management and Evaluation Program (MATMEP) for MOS 6493.

d. Related DOT Classification/DOT Code

- (1) Meteorological Equipment Repairer 823.281-018.
- (2) Electronics Mechanic 828.261-022.

e. Related Military Skill. None.



<u>MOS</u>	<u>TITLE</u>
6300	Basic Avionics Marine (Basic MOS)
6312	Aircraft Communications/Navigation/Weapon Systems Technician, AV-8 (PMOS)
6313	Aircraft Communications/Navigation/Radar Systems Technician, EA-6 (PMOS)
6314	Unmanned Aerial System (UAS) Avionics Mechanic (PMOS)
6316	Aircraft Communications/Navigation Systems Technician, KC-130 (PMOS)
6317	Aircraft Communications/Navigation/Weapon Systems Technician, F/A-18 (PMOS)

FIGURE 3-30.--Avionics Career Structure Chart

6322 Aircraft Communications/Navigation/Electrical Systems Technician, CH-46 (PMOS)
 6323 Aircraft Communications/Navigation/Electrical Systems Technician, CH-53 (PMOS)
 6324 Aircraft Communications/Navigation/Electrical/Weapon Systems Technician, U/AH-1 (PMOS)
 6326 Aircraft Communications/Navigation/Electrical/Weapon Systems Technician, V-22 (PMOS)
 6332 Aircraft Electrical Systems Technician, AV-8 (PMOS)
 6333 Aircraft Electrical Systems Technician, EA-6 (PMOS)
 6336 Aircraft Electrical Systems Technician, KC-130 (PMOS)
 6337 Aircraft Electrical Systems Technician, F/A-18 (PMOS)
 6386 Aircraft Electronic Countermeasures Systems Technician, EA-6B (PMOS)
 6391 Avionics Maintenance Chief, OMA/IMA (PMOS)
 6412 Aircraft Communications Systems Technician, IMA (PMOS)
 6413 Aircraft Navigation Systems Technician, IFF/RADAR/TACAN, IMA (PMOS)
 6414 Advanced Aircraft Communication/Navigation Systems Technician, IMA (PMOS)
 6422 Aircraft Cryptographic Systems Technician, IMA (NMOS)
 6423 Aviation Electronic Microminiature/Instrument and Cable Repair Technician, IMA (PMOS)
 6432 Aircraft Electrical/Instrument/Flight Control Systems Technician, Fixed Wing, IMA (PMOS)
 6433 Aircraft Electrical/Instrument/Flight Control Systems Technician, Helicopter, IMA (PMOS)
 6434 Advanced Aircraft Electrical/Instrument/Flight Control Systems Technician, IMA (PMOS)
 6461 Hybrid Test Set Technician, IMA (PMOS)
 6462 Avionics Test Set (ATS) Technician, IMA (PMOS)
 6463 CASS HP Configuration Operator/Maintainer/Technician, IMA (PMOS)
 6464 Aircraft Inertial Navigation System Technician, IMA (PMOS)
 6466 CASS EO Configuration Operator/Maintainer/Technician, IMA (PMOS)
 6467 Consolidated Automatic Support System (CASS) Technician, IMA (PMOS)
 6469 CASS Test Station IMA Advanced Maintenance Technician, IMA (PMOS)
 6482 Aircraft Electronic Countermeasures Systems Technician, Fixed Wing, IMA (PMOS)
 6483 Aircraft Electronic Countermeasures Systems Technician, Helicopter, IMA (PMOS)
 6484 CASS EW Configuration Operator/Maintainer/Technician, IMA (PMOS)
 6492 Aviation Precision Measurement Equipment/Calibration and Repair Technician, IMA (PMOS)
 6493 Aviation Meteorological Equipment Technician, OMA/IMA (PMOS)

FORMAL TRAINING (to be attended at level indicated on chart): () indicates course is "required"; other courses available as indicated.

a. The NAMTGD schools provide appropriate MOS training at the level indicated on the chart and are subject to change due to availability of courses. IMA level MOS are subject to training at several locations depending upon course availability and initial duty assignment following "A" school training.

b. Personnel assigned to the Aviation Basic Calibration Technician Pipeline Course, Keesler AFB, Biloxi, MS.

c. Personnel assigned to the Meteorological Equipment Maintenance Course will receive their training at Keesler AFB, Biloxi, MS.

FIGURE 3-30.--Avionics Career Structure Chart

3137. OCCUPATIONAL FIELD 65, AVIATION ORDNANCE

1. Introduction. Aviation ordnance MOSs handle aviation Class V (A) ammunition issues from safety to procurement, storage, buildup, delivery, and subsequent aircraft loading and downloading. The OccFld includes organizational and intermediate maintenance of aircraft weapons systems, guns, gun pods, bomb racks, missile launchers, and aviation ordnance support equipment. Aviation ordnance Marines are qualified and certified under current directives. Formal schooling is provided to Marines entering the OccFld. A wide variety of billet assignments are available as shown in the figure later in this entry. Marines entering this OccFld receive MOS 6500, Basic Aviation Ordnance Marine, and attend Aviation Ordnanceman, Class A1(AO(A)) School at Pensacola, FL with follow-on training at one of several FREST/FRAMP AO(C) Courses dependent upon anticipated fleet assignment. Upon completion of AO(C) Course, they will participate in routine aviation ordnance functions and attend specialized schools while training for a designated MOS within the OccFld.

2. MOS 6531, Aircraft Ordnance Technician (SSgt to Pvt) PMOS

a. Summary. This MOS encompasses duties incident to the inspection, maintenance and repair of armament equipment and loading of aviation ordnance on Marine Corps aircraft. The aircraft ordnance technician performs a variety of duties and tasks such as inspecting ammunition, testing aircraft systems, performing preventive maintenance and effecting repairs, loading and fuzing ammunition and arming/dearming aircraft.

b. Requirements/Prerequisites

- (1) Must possess a GT score of 105 or higher.
- (2) Complete the applicable NAMTRAU AO (C) Course appropriate for the intended initial aircraft assignment.
- (3) Must obtain a government drivers license to operate arm/dearm vehicle (Sgt to Pvt).
- (4) Must possess GSE licenses appropriate for the aircraft assigned.
- (5) Marines who handle explosives must meet the criteria to be qualified and certified as per MCO 8023.3.
- (6) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in NAVMED P-117, Article 15-71B.
- (7) Must possess a secret security clearance.

c. Duties

- (1) SSgt to Pvt:
 - (a) Employs appropriate safety precautions, security procedures, and record-keeping techniques for ordnance.
 - (b) Operates and performs operator maintenance on armament weapons support equipment and aircraft armament equipment.

(c) Loads and unloads airborne weapons and stores aboard aircraft to include reconfiguration and functional testing of aircraft weapons release and control, missile, and guns systems.

(d) Removes, maintains, services, installs, and loads aircraft guns.

(e) Arms and de-arms aircraft.

(2) SSgt to Cpl:

(a) Conducts functional tests of racks, launchers, adapters and electrical components, aircraft armament circuits and maintains them in an operational status by appropriate preventive maintenance.

(b) Configures or reconfigures assigned aircraft for carriage of any aviation ammunition within the capability of the aircraft by installing or removing racks, launchers, adapters, and electrical components.

(c) Maintains and installs aerial target towing equipment; maintains and operates associated support equipment.

(d) Conducts functional tests of aircraft armament electrical fusing, firing, and release circuits and maintains them in an operational status.

(3) SSgt to Sgt:

(a) Applies bore sight procedures and techniques as applicable to aircraft sights and weapons systems.

(b) Procures supplies, maintains records, prepares reports, and utilizes publications pertinent to aviation ordnance and aircraft armament equipment.

(c) Performs quality control of work accomplished by the ordnance section on aircraft assigned.

(d) Prepares and submits unsatisfactory equipment reports as outlined in OPNAVINST 8600.2.

(4) SSgt and Sgt:

(a) Trains aircraft ordnance technicians in all phases of squadron level aviation ordnance.

(b) Applies administrative procedures necessary to establish and operate a squadron ordnance section.

(c) Conducts administrative and material inspections of squadron ordnance sections.

(d) Prepares Conventional Ordnance Deficiency Reports, Explosive Mishap Reports, Technical Publication Deficiency Reports, Missile Fire Reports, Product Quality Deficiency Reports, Missing Lost Stolen/Recovered Ammunition Reports, and Engineering Investigation Requests, when appropriate.

d. Related DOT Classification/DOT Code. Aircraft Armament Mechanic
806.361-030.

e. Related Military Skill. Aviation Ordnance Equipment Repair Technician, 6541.

3. MOS 6541, Aviation Ordnance Systems Technician (SSgt to Pvt) PMOS

a. Summary. Aviation ordnance equipment repair technicians perform duties incident to the accounting, stowage, breakout, testing, maintenance, assembly and transportation of airborne armament equipment, armament-handling equipment, air launched missiles, and conventional munitions. At the IMA level, aviation ordnance equipment repair technicians perform required inspections, tests, checks adjustments, preventive maintenance and repair on support equipment, missile launching equipment, multiple ejection/bomb racks, aircraft guns, turrets, aerial targets, and a wide variety of highly technical aircraft armament weapons systems in addition to performing quality assurance, safety, and maintenance management duties.

b. Requirements/Prerequisites

- (1) GT score of 105 or higher.
- (2) Complete NAMTRAU AO (C) Course at NAMTRA MAR Unit, Cherry Point, NC.
- (3) Must possess a valid state drivers license.
- (4) Must obtain a valid support equipment and explosive license within 6 months after assignment of MOS 6541 (Sgt to Pvt).
- (5) Marines who handle explosives must meet the criteria to be qualified and certified as per MCO 8023.3.
- (6) Must complete Incidental Motor Vehicle Operator (7T) at the Wing Motor Transport School, MCAS Cherry Point.
- (7) Must obtain an explosive driver endorsement in conjunction with driver's license.
- (8) Must have a minimum height of 54-inches.
- (9) Must possess a secret security clearance.
- (10) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in NAVMED P-117, Article 15-71B.

c. Duties

(1) SSgt to Pvt:

(a) Performs operator and IMA level maintenance on armament weapons support/transporting equipment.

(b) Assembles and performs maintenance on air-launched missiles, and conventional munitions, as authorized.

(c) Performs IMA level maintenance on aircraft armament equipment.

(d) Identifies munitions by type, nomenclature, and explosive hazard. Identifies the hazard present and appropriate emergency response procedures for each type of munitions handled.

(e) Transports explosives utilizing assigned handling and transportation equipment.

(f) Employs appropriate safety precautions, security procedures, and record keeping practices for munitions.

(g) Conducts ammunition inventories and maintains stock records of lots/serial numbers.

(h) Performs operator tasks associated with the Retail Ordnance Logistics Management System (ROLMS).

(2) SSgt to Sgt:

(a) Maintains records and distinguishes the different modifications on all models of missiles and conventional munitions assigned.

(b) Utilizes available technical and supply publications to obtain accurate and complete data for supply purposes.

(c) Perform inspections on the maintenance, storage, and shipment of explosives.

(d) Using ammunition stock and allowance lists/publications, prepares and edits ammunition requisitions and takes requisition follow-up actions.

(e) Makes ammunition issues, prepares invoices, and custody records.

(f) Maintains files, prepares naval messages, and submits ammunition transactions.

(g) Performs the System Administrator tasks associated with the Retail Ordnance Logistics Management System (ROLMS).

(3) SSgt and Sgt:

(a) Establishes a training program for aviation ordnance technicians.

(b) Perform functions in the establishment operations of a conventional munitions storage area, advance base ammunition storage point, ready storage areas and Forward Arming and Refueling Points (FARP).

(c) Prepares for Conventional/Ordnance Deficiency Reports, Explosive Mishap Reports, Technical Publication Deficiency reports, Product Quality Deficiency Reports, Missing Lost Stolen/Recovered Ammunition Reports, and Engineering Investigation Requests, when appropriate.

(d) Operate Ammunition Stock Recording System.

(e) Determine the serviceability of ammunition and perform ammunition sentencing functions.

(f) Establish and supervise the operation of a Forward Arming and Refueling Points (FARP).

(g) Supervise operations in an ammunition assembly area.

(4) SSgt:

(a) Utilizes aviation ordnance administrative procedures necessary to establish and operate an IMA.

(b) Conducts administrative and material inspections of IMA activities.

(c) Prepares naval messages, orders, instructions, SOPs, and safety precautions.

(d) Manage the Ammunition Stock Recording System.

d. Related DOT Classification/DOT Code. Aircraft-Armament Mechanic 806.361-030.

e. Related Military Skill. Aircraft Ordnance Technician, 6531.

4. MOS 6591, Aviation Ordnance Chief (MGySgt to GySgt) PMOS

a. Summary. The aviation ordnance chiefs supervise the establishment and functioning of aviation ordnance activities. Aviation chiefs also serves as action officer for Class V(A) ammunition logistics at MARFORLANT, MARFORPAC, the three active duty MEFS, and CTF-53, and assist the ordnance officer in the day-to-day business of the ordnance section.

b. Requirements/Prerequisites

(1) Upon selection to Gunnery Sergeant, must complete the Aviation Ordnance Officer Career Progression Course, Level I, at NAS Pensacola, FL.

(2) Marines who handle explosives must meet the criteria to be qualified and certified as per MCO 8023.3.

(3) Must have a secret security clearance.

(4) Must meet the medical requirements for Explosives Handlers and Explosives Vehicle Operators contained in NAVMED P-117, Article 15-71B.

c. Duties

(1) MGySgt and GySgt:

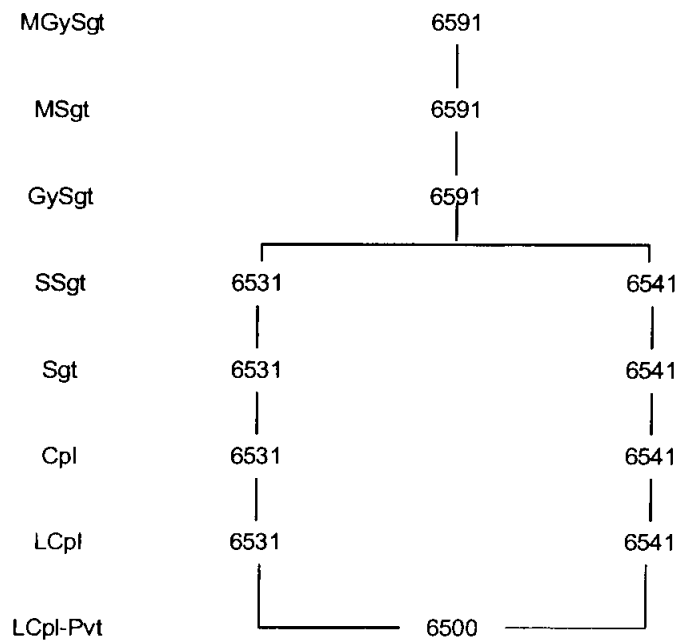
(a) Assists the aviation ordnance officer in managing the activities of aviation ordnance personnel in their duties and tasks.

(b) Instructs and trains aviation ordnance personnel.

(c) Prepares orders, naval messages, instructions and SOPs, and safety precautions.

(2) MGySgt: Provides authoritative staff support in planning and implementing aviation ordnance functions as a member of a major staff.

d. Related DOT Classification/DOT Code. None.



MOS TITLE

6500 Basic Aviation Ordnance Marine (Basic MOS)
 6531 Aircraft Ordnance Technician (PMOS)
 6541 Aviation Ordnance Systems Technician (PMOS)
 6591 Aviation Ordnance Chief (PMOS)

FIGURE 3-30.--Aviation Ordnance Career Structure Chart

MOS 6531, Aircraft Ordnance Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt			FMF Duty: Squadron Non-FMF Duty: Instructor
Sgt			FMF Duty: Squadron Non-FMF Duty: Instructor
Cpl			FMF Duty: Squadron Non-FMF Duty: Instructor
LCpl-Pvt	Enlisted Basic Aviation Training Course Aviation Ordnanceman Class A1 Course Conventional Weapons Loading Course		FMF Duty: Squadron Non-FMF Duty: None

MOS 6541, Aviation Ordnance Systems Technician (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
SSgt			FMF Duty: MALS/MAW/MARFOR Non-FMF Duty: Instructor/MCAS
Sgt		Retail Ordnance Logistics Management Systems Database Administrator Course	FMF Duty: MALS Non-FMF Duty: Instructor/MCAS
Cpl		Defense Packaging of Hazardous Material for Transportation	FMF Duty: MALS Non-FMF Duty: Instructor/MCAS

FIGURE 3-31.--Aviation Ordnance Career Structure Chart

LCpl-Pvt	Enlisted Basic	Ammunition Administration	FMF Duty:
	Aviation Training	Course	MALS
	Course		Non-FMF Duty:
			MCAS
	Aviation Ordnance	Transportation and	
	Class A1 Course	Storage of Hazardous	
		Material for	
		Transportation	
	Aviation Ordnance		
	Equipment Repair and		
	Munitions Technician		
	Course (NAMTRA		
	MARDET 203)		

MOS 6591, Aviation Ordnance Chief (PMOS)

<u>Rank</u>	<u>Required Training</u>	<u>Skill Enhancement</u>	<u>MOS Assignment</u>
MGySgt		AOOCP Level III	FMF Duty: MALS/MAW/MARFOR Non-FMF Duty: HQMC
MSgt		AOOCP Level II	FMF Duty: SQD/MALS/MEF/ MARFORPAC Non-FMF Duty: TRNG SQD/CTF-53/CTF-73 MCAS/MAWTS-1/ NAVAIRSYSCOM
GySgt	AOOCP Level I		FMF Duty: SQD/MALS/MARFORRES Non-FMF Duty: Instructor/TRNG/SQD/ MCAS/MAWTS-1/NOLSC- AMMO Mechanicsburg, PA/OPNAV/COMNAVFOR- KOREA/NAVAIRSYSCOM

FIGURE 3-30.--Aviation Ordnance Career Structure Chart

3138. OCCUPATIONAL FIELD 66, AVIATION LOGISTICS

1. Introduction. The aviation logistics OccFld includes personnel in the areas of aviation supply, aviation information systems, and aviation logistics planning. Qualifications required include operating various office machines; understanding and utilizing related publications, processing communication abilities, and the ability to work closely with others. The duties involve administrative and operational as well as hard technical skills. Aviation supply Marines are required to learn aviation supply administration and operation procedures, office, shop, and warehouse management procedures; preparation and use of military publications, and preparation and use of accounting documents. Formal schooling is provided to Marines entering the Aviation Supply Specialist and Aviation Information Systems Specialist MOSs. Types of entry-level jobs include work as aviation supply clerk and AIS. There are a wide variety of billets available in the OccFld ranging from duty at all level of the Marine Aircraft Wing/Marine Aviation Logistics Squadron to various non-FMF billets such as HMX-1 and instructor duty. Aviation Logisticians are primarily aviation supply, aviation maintenance, aviation ordnance, and avionics personnel on higher headquarters staffs that coordinate/conduct aviation logistics planning in support of OPLANS/CONPLANS. In addition to a thorough understanding of their primary MOS, these personnel are involved with the Marine Aviation Logistics Support Program (MALSP), the Marine Corps Planning Process, the Joint Operations Planning and Execution System (JOPEs), Maritime Prepositioning Force (MPF) operations, and employment of the aviation logistics ship (T-AVB). The aviation logistics OccFld has been expanded to include principal responsibility in the management and execution of CNO and CMC-directed strategies for continuous process improvement.

2. MOS 6617 Enlisted Aviation Logistician (MGySgt to GySgt) NMOS (6042, 6391, 6591, 6672)

a. Summary. Aviation logisticians are assigned to selected headquarters and staffs. They are trained in aviation logistics (AVLOG) support plan development. The skill set provides headquarters staffs with aviation logistics specific subject matter expertise to support the force deployment planning and execution process, exercise planning, pre-positioning program development and execution, and doctrine development.

b. Requirements/Prerequisites

(1) Must possess MOS 6042, Individual Material Readiness List (IMRL) Asset Manager; MOS 6391, Avionics Maintenance Chief; MOS 6591, Aviation Ordnance Chief, or MOS 6672, Aviation Supply Specialist.

(2) Complete Advanced Logistics Officer Course (ALOC) at School of MAGTF Logistics, Quantico, VA (Gunnery Sergeants seeking the MOS 6617 MOS may substitute Tactical Logistics Officer Course (TLOC)).

(3) Complete Maritime Prepositioning Force (MPF) Staff Planning Course offered by the Expeditionary Warfare Training Group.

(4) Complete at least one of the following courses:

(a) Staff NCO and Officer Force Deployment and Planning Course offered by the Expeditionary Warfare Training Group (Atlantic).

(b) Joint Course on Logistics (JCL) at the U.S. Army Logistics Management College (AMC) Ft. Lee, VA.

(c) Multinational Logistics Course at the U.S. Army Logistics Management College (AMC), Ft. Lee, VA.

(d) JOPES Action Officer Course (JAOC) at Ft. Eustis, VA.

(e) JOPES Support Personnel Course at Ft. Eustis, VA.

(5) Must possess a secret security clearance.

c. Duties

(1) Serve as AVLOV representative for Operational Planning Teams (OPT) and Crisis Action Teams (CAT).

(2) Support the development, review, and update of OPLANS/CONPLANS in support of higher headquarters' directives.

(3) Review/validate Time Phased Force Deployment Data to ensure compliance with guidance and directives.

(4) Develop estimates of supportability and concepts of logistics support.

(5) Support the development and operational orders and letters of instruction for ACE operations and exercises.

d. Related DOT Classification/DOT Code. No civilian equivalent.

3. MOS 6672, Aviation Supply Specialist (MGySgt to Pvt) PMOS

a. Summary. Aviation supply specialists are required to perform those aviation unique functions necessary to provide logistical support to aviation activities. Their prime objective is to satisfy valid customer requirements. They perform all functions related to providing aviation peculiar supply support, to include financial management, inventory management, material management, facilities and storage management, personnel staffing, and requisitioning procedures. Duties include validation of customer requirements, processing requisitions, submitting requisitions, initiating appropriate follow-up actions, and processing and delivering material in accordance with all government regulations and procedures. In addition, aviation supply specialists have an understanding of acquisition procedures, provisioning and requirements determination, material handling procedures, and fiscal accounting and purchasing procedures in accordance with Federal Acquisition Regulations.

b. Requirements/Prerequisites

(1) Must possess a GT score of 100 or higher.

(2) Complete the Marine Aviation Supply Course.

(3) Must have a basic understanding of PC operations/applications.

(4) Meet the requirements to obtain a state drivers license.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.74, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Stock Clerk 222.387-058.
- (2) Material Clerk 222.387-034.
- (3) Material Control Expeditor 221.387-030.
- (4) Budget Clerk 216.387-030.
- (5) Inventory Controller 219.397-030.
- (6) Stock Control Supervisor 216.382-022.

e. Related Military Skill. None.

4. MOS 6694, Aviation Information Systems (AIS) Specialist (MGySgt to Pvt) PMOS

a. Summary. Aviation Information Systems (AIS) Specialist responsibilities encompass a broad spectrum of digital network and information systems operation, installation, and maintenance in support of Marine Corps and Naval Aviation. The AIS specialists are accountable for the deployment of tactical local and wide area networks to any theater of operation (from garrison to shipboard to forward deployed joint-service environments). Other responsibilities include network administration, design, and installation, maintaining and repairing data communication links, fiber-optic and tactical fiber-optic cabling. AIS specialist support myriad computer and network operating systems to include: Unix, Windows, and TCP/IP. Responsibilities include the maintenance and repair of aircraft mission planning systems, aircraft maintenance systems and field deployable SATCOM equipment. These Marines will also be able to analyze and evaluate system output; design and manipulate database information to produce non-routine reports; work with application and software programs in order to access and manage data stored in the computer's memory or data base file(s). Administrative tasks include but are not restricted to develop a monthly AIS utilization schedule and maintaining a magnetic media/software library.

b. Requirements/Prerequisites

- (1) Must possess an EL score of 115 or higher.
- (2) Complete the Aviation Logistics Tactical Information Systems (ALTIS) Course, NSCS, Athens, GA.
- (3) Must have a secret security clearance.
- (4) Must be a U.S. citizen.
- (5) Must have normal color perception.

c. Duties. For a complete listing of duties and tasks, refer to MCO 1510.74, Individual Training Standards.

d. Related DOT Classification/DOT Code

- (1) Computer Operator 213.362-010.
- (2) Computer Peripheral Equipment Operator 213.382-010.
- (3) Computer Processing Scheduler 221.362-030.

- (4) Computer Security Coordinator 033.162-010.
- (5) Computer Security Specialist 033.362-010.
- (6) Computer Systems Engineer 033.167-010.
- (7) Computer Systems Hardware Analyst 033.167-010.
- (8) Data Base Administrator 039.162-010.
- (9) Data Communications Technician 823.261-030.
- (10) Data Communications Technician supervisor 031-132-010.
- (11) Network Control Operator 031.262-014.
- (12) Supervisor, Computer Operations 213.132-010.
- (13) Supervisor, Data Processing 213.132-010.
- (14) Supervisor, Electronics Systems Maintenance 828.161-010.